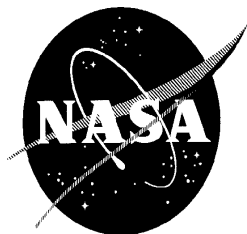


Earth Science Data and Information System (ESDIS) Project

Acronyms List

March 2000



National Aeronautics and
Space Administration

Goddard Space Flight Center
Greenbelt, Maryland

EARTH SCIENCE DATA AND INFORMATION SYSTEM PROJECT

ACRONYM LIST

Please direct additions, questions and/or comments regarding this list to:

ESDIS Project Library
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Original ii March 2000

- A -

A&E	activation and evaluation
A&SG	Avionics & Surveillance Group
AA	Associate Administrator
	astronomical almanac
	ancillary data access
	Ancillary Data access ASTER
AABW	Antarctic Bottom Water
AAG	Association of American Geographers
AAL	asynchronous transfer mode adaptation layer
AALE	adjusted annual loss expectancy
AAL5	asynchronous transfer mode adaptation layer 5
AAOE	airborne antarctic ozone experiment
AAP	advanced archival products
AAQS	ambient air quality standards
AASE	Airborne Arctic Stratospheric Expedition
AASE II	Airborne Arctic Stratospheric Expedition II
AATSR	Advanced Along-Track Scanning Radiometer (ESA)
AB	Advanced Bus
ABC++	Document Generator used to provide class level detail
ABE	Archive Browser and Extractor
ABI	Application binary interface
ABL	allocated baseline
ABLE	atmospheric boundary layer experiment
ABOM	Australian Bureau of Meteorology
ABCR	As Built Configuration Report
ABR	available bit rate
ABS	oxygen A-Band Spectrometer
AC	alternating current
	atmospheric corrector
A/C	air conditioning
ACAD	Attitude Control and Determination
ACCA	automated cloud cover assessment
ACD	architectural control document
ACDA	Asociaci n Costarricense para el Desarrollo Aeroespacial (Costa Rican Association for Aerospace Development)
ACDS	Attitude Control Determination Subsystem
ACE	Aerosol Characterization Experiment
	attitude control electronics
	Advanced Composition Explorer
	Array Clamp Electronics
	Analog control electronics
ACF	automated control function
ACFG	Management Agent Configuration File
ACHP	Advisory Council on Historic Preservation
ACI	allocated configuration identification
ACL	access control list
ACMAP	Atmospheric Chemistry and Modeling Analysis Program
ACMHW	access and control management hardware [configuration item]
ACP	archive control process
ACQ	acquisition
ACR	Active Cavity Radiometer

ACRIM	Active Cavity Radiometer Irradiance Monitor
ACRIMSAT	Active Cavity Radiometer Irradiance Monitor Satellite
ACRS/TLAS	Automated Conflict Resolution System/TDRSS Look Angle System
ACS	Archived Catalog System (ASF)
	attitude control system
	Automated Cartridge System
	activity schedule
ACSE	attitude control system electronics
	Association Control Service Element
	Automated Console System for Library Services
ACSLs	automated cartridge system library software
ACSYS	Arctic Climate System Study
ACTES	an Associate of Arts in Community Colleges for Training in Earth Sciences
ACTS	Advanced Communication Technology Satellite
ACU	accelerometer unit
ACWP	actual cost of work performed
A/D	analog to digital
AD	acceptance check/TC data
	applicable document
Ada	a program language
ADA	angular displacement assembly
	Array Drive Assembly
A-DAAC	Affiliated-Distributed Active Archive Center
ADABL	As Designed As Build List
AdaDL	Ada design language
ADAC	Attitude Determination and Control
ADADS	ASTER Data Archive and Distribution System
ADALT	advanced radar altimeter
ADC	affiliated data center
	analog to digital converter
	after date of contract
Adc	Amperes Direct Current
ADCLS	Advanced Data Collection and Location System
ADD	architecture description document
	architecture design document
ADE	array drive electronics
ADEOS	Advanced Earth Observing System (Japan)
ADEOS-II	Advanced Earth Observing System II
ADEPT	Advanced Design Electronic packaging Technique
ADGE	Air Defense Ground Environment
ADM	angular distribution model
	administrative message
	antenna deployment mechanism
	antenna drive mechanism
ADN	ASTER Data Network
ADO	Active Data Object
ADP	automated data processing
ADPE	automated data processing equipment
ADRO	Application Development Research Opportunity
ADRS	Automated Defect Reporting System
ADS	archive data set
	attitude determination subsystem
	attitude determination system
	ancillary data service

	angular displacement sensor
	attitude displacement sensors
	attitude system
ADSERV	advertising service
ADSHW	advertising service hardware [configuration item]
ADSL	Asymmetric DSL
ADSRV	advertising service CSCI
ADT	Architectural Development Team
	abstract data type
	activity definer tool
AE	atmospheric explorer
AEAP	Atmospheric Effects of Aviation Program
	Atmospheric Effects of Aviation Project
AEDP	astrometry and engineering data processing
AEI	AEI (Solar Array DC-motor manufacturer) a subcontractor to Fokker Space
AEM	application explorer mission
	Analog Electronics Module (MODIS)
AEP	application environment profile
AER	atmospheric and environmental research
AERI	atmospheric emitted radiance interferometer
AERO	Aerosol
AEROnet	Aeronautics Network
AERONET	Aerosol Robotic Network
AES	atmospheric environment service
	Application Environment Specification
	Aerojet Electro Systems
AESA	Atmospheric Effects of Stratospheric Aircraft Program
AESOPS	Antarctic Environment Southern Ocean Process Study
AESP	Aerospace Education Services Program
AET	actual evapo-transpiration
AETD	Applied Engineering and Technology Directorate
AF	audio frequency
AFB	Air Force Base
AFC	Application Foundation Class (Microsoft)
AFD	architecture flow diagrams
AFE	annual frequency estimate
AFGWC	Air Force Global Weather Central
AFM	award fee milestone
AFN	Acquisition Failure Notification
AFPRO	Air Force Plant and Representative Office
AFS	Andrews File System
AFSCF	Air Force Satellite Control Facility
AFSCN	Air Force Satellite Control Network
AGAGE	Advanced Global Atmospheric Gases Experiment
AGC	automatic gain control
AGCI	Aspen Global Change Institute
AGCM	Atmospheric General Circulation Model
AGDS	ASTER ground data system
AGE	aerospace ground equipment
	associated ground elements
AGL	above ground level
AGN	active galactic nuclei
AGP	Ancillary Geographic Product (MISR)
AGS	ASTER Ground System

AGU	Alaska Ground Station
AHAP	American Geophysical Union
	NASA high altitude aerial photography
	Alaska High-Altitude Aerial Photography
AHM	Attitude Hold Mode
AHWGC	Ad Hoc Working Group on Consumers
AHWGP	Ad Hoc Working Group on Production
	Ad Hoc Working Group on Processing
AI	artificial intelligence
AI&T	algorithm integration and test
AIAA	American Institute of Aeronautics and Astronautics
AICC	ASTER Instrument Control Center
AID	architecture interconnection diagram
	Ada Information Description
AIDJEX	artic ice dynamics joint experiment
AIF	Algorithm Integration Facility (UK)
AIFF	Type of Sound File Format
AIM	automated information management
	Assurance Implementation Matrix
AIMCO	Automated Information Management Council
AIR	airborne imaging radar
AirMISR	Airborne Multi-angle Imaging SpectroRadiometer
AIRS	Atmospheric Infrared Sounder
AIRSAR	aircraft synthetic aperture radar
AIRS-IS	AIRS Instrument Suite
AIS	automated information security
	airborne imaging spectrometer
	automated information system
AISC	Assessment and Information Services Center
AISO	automated information security officer
AI&T	algorithm integration and test
AIT	algorithm integration team
	algorithm integration and test
	Assembly, Integration & Test (component level)
AITHW	algorithm integration and test hardware [configuration item]
AITT	Algorithm Integration and Test Team
AITTLL	Algorithm Integration and Test CSCI
AL	aluminum
ALDC	Adaptive Lossless Data Compression
ALDT	administrative logistics delay time
ALE	annual loss expectancy
	Atmospheric Lifetime Experiment
ALEXIS	Array of Low energy X-ray Imaging Sensors
ALG	algorithm
ALI	Advanced Land Imager
ALINK	Active Link (HTML)
ALOG	Application Log File
ALOS	Advanced Land Observation Satellite
ALPEX	alpine experiment
ALRSS	advanced land remote sensing system
ALS	Archimedial Log Spiral (Omni Antenna)
ALT	altimeter
ALTA	active long-term archive
ALTMS	Airborne LIDAR Topographic Mapping System

AM	morning (ante meridiem)
	Assurance Manager
AM-1	EOS AM Mission spacecraft 1, morning spacecraft series -- ASTER, CERES, MISR, MODIS and MOPITT instruments
AMAO	Advanced Missions Analysis Office
AMASS	archival management and storage system
AMD	Advanced Microdevices (a company)
AMDS	Automated Message Distribution System
AME	antenna mounted equipment
AMEX	Australian Monsoon experiment
AMI	Active Microwave Instrument
AMIP	Atmospheric Model Intercomparison Project
AML	Automated Media Library
AMLS	Array MLS
AMOC	AM Mission Operations Center
Amp	Amperes
AMP	Assurance Management Plan
AMPE	automated message processing exchange
AMPR	advanced microwave precipitation radiometer
AMPTE	Active Magnetospheric Particle Tracer Explorer
AMR	Altimetry Microwave Radiometer
AMRC	Auxiliary Master Reference Cube
AMRIR	Advanced Medium Resolution Imaging Radiometer
AM ² S	Acquisition and Material management System
AMS	American Meteorological Society
	Automated Meteorological Station
	Automated Message System
	ASTER Mission Simulator
AMSR	Advanced Microwave Scanning Radiometer
AMSR-CU	Advanced Microwave Scanning Radiometer – Control Unit
AMSR-E	Advanced Microwave Scanning Radiometer for EOS
AMSR-SU	Advanced Microwave Scanning Radiometer – Sensor Unit
AMSU	Advanced Microwave Sounding Unit
AMSU-A	Advanced Microwave Sounding Unit-A
AMSU-A1	AMSU-A1 module – receives V and W band frequencies on Channels 3-15
AMSU-A2	AMSU-A2 module – receives K and Ka band frequencies on Channels 1 & 2
AMSU-B	Advanced Microwave Sounding Unit-B (earlier MHS, became HSB)
AMTS	Advanced Meteorological Temperature Sounding Study
	Advanced Meteorological Temperature Sounder
	advanced moisture and temperature sounder
AMU	atomic mass unit
ANA	analysis
Andes MIS	Andean Morphotectonic Information System
ANIR	Advanced Networking infrastructure and Research
ANSI	American National Standards Institute
ANZONE	Antarctic Zonal Experiment
AO	announcement of opportunity
Ao	operational availability
AOC	award of contract
	Archive Operational Capability
AOI	area of interest
	angle of incidence
AOIPS	Atmospheric and Oceanographic Information Processing System

AOL	Airborne Oceanographic Lidar
AOS	acquisition of signal
	area of search
	advanced orbiting system
	ASTER Operations Segment
	Archive and Operations System (ASF)
AOSP	Advanced On-Board Signal Processor
AOT	ASTER Operations Team
AP	accounts payable
	attached payload
	algorithm package
APA	allowance for program adjustment
APACM	atmospherics physics and chemistry monitors
APAE	attached payload accommodation equipment
APAFO	Advanced Particles and Fields Observatory
APAR	absorbed photosynthetic active radiation
APC	access/process coordinators
APCD	air pollution control district
APDU	Application Protocol Data Unit
APFZ	Antarctic Polar Frontal Zone
API	application programming interface
APID	application process identifier
	application (packet) identifier
APL	Applied Physics Laboratory (at Johns Hopkins University)
AP Labs	Advanced Processing Laboratories (a company)
APOPP	Aerosol Physical and Optical Properties Product
APP	applications protability profile
APT	automatic picture transmission
	advanced picture taking
AAPVL	approval
APR	applied parallel research
APRP	Adaptive pattern Recognition Processing
APS	action per second
	Acquisition Planning System
APT	Automatic Picture Transmission
AQA	Algorithm Quality Assurance
AQAHW	algorithm QA hardware (configuration item)
AQAHWCI	algorithm quality assurance hardware configuration item
AQPSK	asynchronous quadrature phse shift keying
Aqua	formerly called the PM Project (under the Earth Science Enterprise Program)
A&R	automation and robotics
AR	accounts receivable
	axial ratio
	acquire request
	acceptance review
	action request
ARA	atmospheric radiation analysis
	acquire request acknowledgment
	AppleTalk Remote Access
ARAM	automated reliability/availability/maintainability
ARC	Ames Research Center
	Antarctic Research Center
	Applied Research Corporation (ECS team)
	Archiver

arcsec	Arc-Seconds
ARDB	automated requirements database
ARE	Array Regulator Electronics (EPS)
ARESE	ARM Enhanced Shortwave Experiment
ARGOS	Argos Data Collection And Position Location System
ARGOS+	Argos Data Collection and Location System (France)
ARIA	Advanced Range Instrumentation Aircraft
ARICS	accounts receivable invoice control system
ARIN	Aerospace Resource Information Network
ARISTOTELES	Applications and Research Involving Space Technologies Observing the Earths' Field from Low Earth Orbiting Satellite
ARM	Atmospheric Radiation Measurement (DoE program)
	Array Regulator Module
ARMSAT	Atmospheric Radiation Measurement Satellite
ARP	address resolution protocols
	Ancillary Radiometric Product
ARPA	Advance Research Project Agency
ARPANET	Advanced Research Project Agency Net
ARS	Agricultural Research Service
	Action Request System
ARW	Angle Random Walk
A/S	anti-spoofing
A/SA	arid/semi-arid
AS	advanced solid, i.e., Atlas II AS
	Access Subgroup (part of CEOS-WGISS)
	administration stations
ASAP	as soon as possible
ASAR	Advanced Synthetic Aperture Radar (ESA)
ASAS	advanced solid-state array spectrometer
ASCA	Advanced Satellite for Cosmology and Astrophysics
ASCAT	advanced scatterometer
ASCII	American Standard Code for Information Interchange
ASCSS	Automatic Spacecraft Configuration Status System
ASCVR	As Shipped Configuration Verification Report
ASDPS	ASTER Science Data Processing System
ASE	airborne support equipment
ASF	Alaska SAR Facility (DAAC)
ASFUWG	ASF User Working Group
ASHE	airborne summer hemisphere experiment (NOAA)
ASHOE	Airborne Southern Hemisphere Ozone Experiment
ASI	Agenzia Spaziale Italiana
	Ampere-Second Integration
ASIC	application specific integrated circuit
ASLE	adjusted single loss expectancy
AS&M	Analytical Services and Materials, Inc.
ASM	acquisition strategy meeting
	Attached Sync marker
	ASTER System Management
ASME	American Society of Mechanical Engineers
ASMO	Advanced Storage Magneto-Optical
ASN.1	abstract syntax notation one
ASP	Alaska SAR Processor
	Active Server Pages
ASPRS	American Society for Photogrammetry and Remote Sensing

ASQC	American Society for Quality Control
ASRM	advanced solid rocket motor
ASSIST	ADPE system sizing tool
ASSY	assembly
AST	algorithm support team
	ASTER Science Team
ASTER	Advanced Spaceborne Thermal Emission and Reflection Radiometer (formerly ITIR)
ASTEX	Atlantic Stratocumulus Transition Experiment
ASTGW	ASTER Gateway CSCI
ASTR	ASTER
ASTRO	astronomy platform (shuttle)
A/SWSWT	ADEOS II/SeaWinds Science Working Team
AT	acceptance test
ATBD	algorithm theoretical basis document
ATC	absolute time command
	active thermal control
	absolute time control
ATCAS	Advanced Technology Composite Aircraft Structures
ATCI	Agent Client Item
ATCS	Absolute Time Command Sequence
ATDRSS	Advanced Tracking and Data Relay Satellite System
ATE	Automatic Test Equipment
ATES	Alcatel Espace Systems
ATG	Aeropsace Test Group
ATIP	Advanced Technology Initiatives Program
ATL	automated tape library
ATLAB	atmospheric laboratory
ATLANTA	Atlanta Land-use Analysis: Temperature and Air-quality
ATLAS	Atmospheric Laboratory for Applications and Science
	Advanced Thermal and Land Applications Sensor
ATLID	Atmospheric Lidar
ATM	asynchronous transfer mode
	atmospheric trace molecule spectroscope
	asynchronous transmission mode
ATMARP	asynchronous transfer mode address resolution protocol
ATMI	Application Transaction Management Interface
ATN	advanced TIROS-N
ATO	acceptance test organization
ATMOS	Atmospheric Observations Satellite
	Atmospheric Trace Molecule Spectroscopy
ATMP	acceptance test management plan
ATP	acceptance test plan
	acceptance test procedure
	acceptance test package
	approval to process (letter)
	authority to proceed
	automatic test procedures
ATR	Acceptance Test Review
	Assistance Technical Representative
ATRR	Acceptance Test Readiness Review
ATS	advanced technology satellite
	Access to Space
ATSDR	Agency for Toxic Substances and Disease Registry

ATSR	Along Track Scanning Radiometer (ESA)
AT/SV	Acceptance Test, System Verification
AT&T	American Telephone and Telegraph
ATT	acceptance test team
ATT/PL	attached payload
AU	audio format (developed for Sun workstations)
AUI	adapter user interface
AUI 802.3	10 Base 5 (Thick Ethernet) Interface
AURIO	Auroral Imaging Observatory
AUX	Auxiliary
AVCS	advanced vidicon camera system
AVG	average
AVHRR	Advanced Very High-Resolution Radiometer
AVHRR GAC	AVHRR Global Coverage Area
AVHRR LAC	AVHRR Local Area Coverage
AVIRIS	Airborne Visible and Infrared Imaging Spectrometer
AVIS	airborne vegetation index sensor
AVNIR	advanced visible and near-infrared radiometer
AVR	Automatic Voice Recognition
AVS	advanced visualization system
AWCS	agency-wide coding system
AWD	award
AWG	American Wire Gauge
AWIPS-90	Advanced Weather Interactive Processing System for the 90's
AWN	Angle White Noise
AWS	Automatic Weather Stations
AWT	Abstract Windowing Toolkit (Java)
AWOTS	Automated Wallops Orbital Tracking Station
AXAF	Advanced X-ray Astrophysics Facility

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- B -

B	building
B0SOT	Release B.0 Search and Order Tool
B.0	Release B.0
B.1	Release B.1
BA	British Aerospace
BAAS	billing/accounting application service
BAC	budget at completion
Bae	British Aerospace
BAFO	best and final offer
BAHC	Biospherics Aspects of the Hydrologic Cycle (IGBP)
BALTEX	Baltic Sea Experiment
BAP	baseline activity profile
BARC	Beltsville Agricultural Research Center
BASC	Board on Atmospheric Science and Climate (NRC)
BASD	Ball Aerospace Systems Division
BASIC	Bay Area Shared Information Consortium
BAT	Bench Acceptance Test
BATC	Ball Aerospace & Technologies Corporation
BATS	Biosphere-Atmosphere Transfer Model
BATSE	Burst and Transient Source Experiment
BB	broadband
	bread board
	blackbody
	bulletin board
BBAT	Hex Bay Battery
BBC	British Broadcasting company
BBS	bulletin board server
	bulletin board service
	bulletin board system
BBU	Baseband Unit
BC	bus controller
	bypass check/control commands
BCC	biogeochemical models
BCD	baseline configuration document
BCH	Bose-Chaudhuri-Horquengham
	Binary Coded Hexadecimal
BCMP	a type of quering network
BCN	backbone concentrator node
BCP	Bulk Copy Program
	Bulk Copy Process
BCR	budget change request
	battery charge regulator
BCRT	Bus Controller Remote Terminal
BCS	Blackbody Calibration Source
BCU	bus control unit
BCWP	budgeted cost for work performed
BCWS	budgeted cost of work scheduled
BD	bypass check/TC data (expedited service)
BDA	Bermuda, Ground Network Station, U.K.
BDDN	broadcast data distribution node

BDDS	broadcast data distribution system
BDF	bi-directional reflective factor
B-Dot	Rate of Change of Earth's Magnetic Field
BDR	battery discharge regulator
BDRF	bidirectional reflectance distribution function
BDRN	broadcast data receiver node
bds	bulk data service
BDS	Bi-Directional Scan Product (CERES)
	Basband Data Subsystem
	Bulk Data Service
BDU	bus data unit
BE	Brilliant Eyes
BEA	Bureau of Economic Analysis
BED	block error detection
	Bit Error Detector
BER	bit error rate
	basic encoding rules
BERG	a company started by Peter Berg
BERT	Bit Error Rate Tester
BFTP	Batch FTP
BGCOLOR	Background Color (HTML)
BGP	boundary gateway protocol
BIA	Bureau of Indian Affairs
BIBEX	Biomass Burning in the Global Environment
BICSI	building industry consulting service international
BI	bi phase
Bin	Binary, consisting of 0 and 1 data bits
BIND	Berkley Internet Name Domain
BinHex	Procedure for encoding 8-bit files to 7-bit format, preserve file attributes. File extension of encoded files is .hqx. Use programs StuffIt or StuffIt Expander for decoding.
Biφ-L	Binary Phase Level
biφ-S	Biphase-S
BIOME	Biogeochemical Information Ordering Management Environment
BIOS	Basic Input/Output System (PC)
BIP	background information package
	build implementation plan
BIPS	Billion Instructions per Second
B-ISDN	Broadband Integrated Services Digital Network
BIT	built in test
BITNET	Because it's Time network
BIU	bus interface unit
	battery interface unit
BLM	Bureau of Land Management
	baseline manager
BLOB	Binary Large Object
BM	briefing message
BMA	Battery Module Assembly
BME	Brouwer Mean Element
BMFT	Bundesministerium für Forschung und Technologie (FRG)
BMG	Business Management Group
BMR	briefing message request
BNF	Backus-Naur Format

BNSC	British National Space Centre
BOA	basic object adapter
BOD	beneficial occupancy date
BoE	basis of estimate
BOF	Beginning of File
BOL	beginning of life
BOM	Bill of Material
BONeS	block oriented network simulator
BOO	Business Operations Office (ECS)
BOR	Bureau of Reclamation
BOREAS	Boreal Ecosystem-Atmospheric Study
BOT	beginning of tape
	beginning of track
BOW	Beginning of (Launch) Window
BPC	Battery Power Conditioners
BPDU	bitstream protocol cata unit
BPF	Band Pass Filter
bpi	bits per inch
BPR	Back Pressure Relief
bps	bits per second
Bps	bytes per second
BPSK	binary phase shift key
B router	internet bridge router combination
BRDF	bi-directional reflective distribution function
	Bi-Reflectance Distribution Function
BRF	bi-directional reflectance factor
BrO	bromine monoxide
BRR	Bus Requirements Review
BRTS	Bilateral Ranging Transponder System
BSD	Board of Sustainable Development
BSFR	Back Surface Field with Reflector
BSR	bus selection relay
BSRN	Baseline Surface Radiation Network
BSSC	Board for Software Standardization and Control
BST	Bus Scheduler Task
BSTAR	Drag-related parameter in the NORAD two-line element message
BSU	baseband switching unit
BT	burst tolerance
BTC	Bench Test Cooler
BTS	Brightness Temperature at Sensor
BTT	Bus Traffice Table
BTU	British Thermal Unit
BTW	by the way (commonly used in email)
BUFR	binary universal format for representation [of data]
BUS	broadcast and unknown server
BUT	Bus Utilization Table
BUV	Backscatter Ultraviolet
BXA	Bureau of Export Administration
BYTE	Binary Element String

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- C -

C	a program language celsius centigrade
C1	EDOS release configuration 1 used for AM-1 operations
C ³	communications, command and control
C&DH	command and data handling
C&DHS	command and data sandling subsystem
C&DM	configuration and data management
C&ISD	Civil & International Systems Division (TRW)
C&M	control and monitoring
C&S	control and status Common Spacecraft
C&T	communications and tracking command and telemetry
C&TC	Command and Telemetry Controller
C&V	Calibration & Validation
C&W	caution and warning
C/D	integrated Phase C and Phase D contract
CA	computer-aided configured article certification authority cell arrival
CAA	Clean Air Act
CAAQS	California Ambient Air Quality Standard
CAC	command activity controller Climate Analysis Center (NOAA/MNC) connection admission control command activity controller
CAD	computer aided design Command Allocation Document
CAD/CAE	computer aided design/computer aided engineering
CAD/CAM	computer aided design/computer aided manufacturing
CADH	Command and Data Handling
CADM	CERES Angular Directional Model Configuration Administration and Data Management
CADU	channel access data unit
CAE	computer-aided engineering
CAGE	Commercial and Government Entity
CAGEX	CERES/ARM/GEWEX Experiment
CAGR	Compound Annual Growth Rate
CAI	computer-aided instruction
C-AISM	Center Automated Information System Security Manager
CAL	calibrate calibration calibration parameter file message
CALM	Circumpolar Active layer Monitoring
CALS	Cloud and Aerosol Lidar System computer-aided acquisition and logistics support
CAL WG	Calibration Working Group
CAL/VAL	calibration/validation
CAM	computer-aided manufacturing

	cost account manager
	calibration attitude maneuver
	calibration altitude maneuver
	command authorization meeting
CAMEX	convection and moisture experiments
CAMS	Climate Analysis and Monitoring System
CAN	cooperative agreement notice
CAP	capability
	Corrective Action Plan/battery Cell Capacity (ampere-seconds)
	Cartridge Access Port
CaPE	convective precipitation and electrification experiment
CAPL	capillary assist pump loop
CAPSSL	Compact Advanced Pulse Solid State Laser
CARB	California Air Resources Board
CARIACO	Carbon Retention In A Colored Ocean
CART	Cloud and Radiation Testbed
CAS	core activity specification
	Column Address Strobe (memory controller output to DRAMS)
	Cost Accounting Standards
CASB	Cost Accounting Standards Board
CASE	computer aided software engineering
CASES	Cooperative Atmosphere-Surface Exchange Study
CASI	Center for Aerospace Information
CAST	computer aided software test
CAT	computer aided test
	consolidated acceptance testing
	catalytic (PS)
CATA	catalog data
CATIA	Computer Aided Three-dimensional Interactive Analysis
CATV	cable television
CAUSE	computer-aided user-oriented systems evaluation
CAVE	CERES ARM Validation Experiment
CB	control board
CBASS	Commercially Based Analysis Support System
CBB	contractor's budget baseline
CBI	Computer Based Interface
CBP	celestial body position
	Code Block Processor
CBR	constant bit rate
CBS	cost breakdown schedule
CBT	computer based training
C/C	command and control
CC	control center
	configuration code
CCA	cloud cover assessment
CCAD	Central American Commission on the Environment and Development
CCAFS	Cape Canaveral Air Force Station
C-CAP	Coastwatch Change Analysis Program
CCB	Change Control Board
	Configuration Control Board
CCD	charge coupled device
CCDI	ClearCase DDTS Integration
CCDS	Communications and Data Distribution System
CCE	charge composition explorer

CCF	Consolidated Communications Facility
CCHP	constant conductance heat pipe
CCI	common carrier interface
CCIR	International Radio Consultative Committee (acronym for a French name)
CCITT	Comite' Consultatif International de Telephonique et Telegraphique (France) Consultative Committee for International Telegraph and Telephone
CCL	closed conference loop
CCLED	Coarse Control Law Error Detection
CCM	community cost model community circulation model community climate model configuration control manager
CCN	cloud condensation nuclei
CCOSM	Chemistry and Circulation Occultation Spectroscopy Mission
CCP	contract change proposal
CCR	commitment, concurrency, and recovery (protocol) configuration change request configuration control request current cell rate
CCRS	Canada Centre for Remote Sensing
CCS	Common Carrier Subsystem (Ecom) Communications and Control Segment (NCC) communications contact scheduler communications subsystem
CCSD	computer compatible signal data
CCSDS	Consultative Committee for Space Data Systems
CCSP	California Commercial Spaceport
CCSR	configuration change status report
CCT	computer-compatible tape CIP/ECS Catalog Translator
CCTI	control center technology interchange
CCZ	command and control zone
CD	compact disk (optical disk) Conceptual diagram Cartridge drive
CDA	command and data acquisition Critical Design Audit
CDAS	Command and Data Acquisition Stations
CDAU	channel access data unit
CDB	Collection Data Base command data block
CDCR	Conceptual Design And Cost Review
CDDIS	Crustal Dynamics Data Information System
CDE	common desktop environment common data environment cooler drive electronics
CDF	common data format Channel Definition Format (Microsoft's push technology based on XML)
CDFG	California Department of Fish and Game
CDH	command and data handling
CDHF	central data handling facility
CDIAC	Carbon Dioxide Information and Analysis Center (also known as DOE/CDIAC)
CDIC	Carbon Dioxide Information Center (DOE)

CDIS	command and data interface simulator unit
CDMS	Cryospheric Data Management System (NSIDC)
CDMTS	Configuration/Data Management Tracking System (ECS)
CDO	Central Documentation Office
CDOC	Colored Dissolved Organic Carbon
CDOM	Colored Dissolved Organic Matter
CDOS	Customer Data and Operations System
CD-R	compact disk-recordable
CDR	Critical Design Review
CDRC	CIESIN Data and Research Center
CDRD	Contract Data Requirements Document
CDRL	Contract Data Requirements List
	Control Data Requirement List
CD-ROM	compact disk - read only memory
CDROM	Crustal Dynamics Data Information System
CD-RW	compact disk - rewritable
CDS	cell directory service
	CCSDS day segmented time code
	comprehensive discrepancy system
CDSA	Common Data Security Architecture
CDSCP	cell directory service command program
CDSF	customer data service facility
CDT	cell delay tolerance
	constraint definer tool
CDU	customer data unit
CDV	cell delay variation
CDW	critical design walk-through
CDWG	Client Design Working Group
CE	conducted emissions
	clean exposure
	critical event
	Command Enable
CEA	CERES Aft
CEAREX	coordinated eastern arctic experiment
CEC	Commission of European Committees
CECIL	C-Extended Command Interface Language
CED	Components Engineering Department
CEES	Committee on Earth and Environmental Sciences
CEF	CERES Fore
CEG	Chief Engineering Group (Release B)
CEI	contract end item
CEIS	Contract End Item Specification
CEM	cumulus ensemble model
CEMSCS	Central Environmental Monitoring Satellite Computer System (NOAA)
CEMSDS	Central Environmental Satellite Data System
CENR	Committee on the Environment and Natural Resources Research
CEO	Centre for Earth Observation (ESA)
	Center for Earth Observations European union
CEO-ES	CEO - Enabling Services
CEOS	Committee on Earth Observations Satellites
CEOSR	Center for Earth Observing and Space Research
CEOSWGD/CS	CEOS Working Group on Data, Catalog Subgroup
CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act

CER	cell error rate
CERCLA	Comprehensive Environmental Response Compensation Liability Act
CERES	Clouds and Earth's Radiant Energy System
CERL	Construction Engineering Research Laboratory
CERN	European Laboratory for Particle Physics
CERT	computer emergency response team
	certification
CES	Committee on Earth Sciences
	Conical Earth Sensor
CESA	California Endangered Species Act
	Conical Earth Sensor Assembly
	Conical-scanning Earth Sensor Electronics
CESAR	Cloud Electrification Studies using Aircraft and Radar
CESBIO	Centre d'Études Spatiales de la Biosphère
CESDIS	Center for Excellence in Space Data and Information Sciences (GSFC)
CESDS	Central Environmental Satellite Data System (NOAA)
CESE	Conical-scanning Earth Sensor Electronics
CETF	Critical Evaluation Task Force
CEV	command execution verification
CF	customer facility
CFC	chlorofluorocarbon
CFC-11	CCl ₃ F, trichlorofluoro methane freon-11
CFC-12	CCl ₂ F, dichlorodifluoro methane freon-12
CFG CTRL	configuration control
CFIS	conflict-free instrument schedule
CFM	cubic feet per minute
CFPA	cold focal plane assembly
CFR	Code of Federal Regulations
CFS	conflict free schedule
CG	center of gravity
CGC	Committee on Global Change (NRC)
CGCP	Canadian Global Change Program
CGCR	Committee on Global Change Research
CGED	Committee on Geophysical and Environmental Data (NRC)
CGI	common gateway interface
CGM	computer graphics metafile
CGS	Commercial Ground Station
CH ₂ Cl ₂	Dichloromethane
CH ₃ Cl	methyl chloride
CHCl ₃	Chloroform
CH ⁴	methane
CH	Cable Harness
CHAMP	Challenging Mini-satellite Payload
CHAPS	Chemistry Annual Meeting for Project Support
	Chem-1 Annual Planning and Steering
CHCI	communications hardware configuration item
CHEM	Chemistry Mission
CHEM-1	Chemistry Mission - 1
CHGE	Center for Health and the Global Environment
CHI	computer human interface
CHID	Channel Identification
CIG	Customer Interface Group

CHRP	configurable high-rate processor
CHRPS	configurable high-rate system
CHUI	character user interface
CI	configuration item
	command interpreter
CIAL	Configuration item Assembly List
CIC	command interrupt code
CICP	Critical Item Control Plan
CICS	Customer Information Control System (IBM)
CIDL	Configuration Item Data List
CIDM	client, interoperability and data management
	CLS/IOS/DMS
CIDR	Classless Interdomain routing
CIESIN	Consortium for International Earth Science Information Network
CIF	Communications Interface Function
CII	chemistry international instrument
CIIL	Configuration Item Identification List
CIIN	Configuration Item Identification Number
CIL	common interface language
CIM	Common Information Model
	critical items list
CIMSS	Cooperative Institute for Meteorological Satellite Studies
CIN	center information network
CINO ₃	chlorine nitrate
CINTEX	CEOS Catalogue Interoperability Experiment
	Catalogue INTERoperability Experiment
CINTOPS	Catalogue INTERoperability OPERATIONs
CIO	Contents Identifier Object
	Chief Information Officer
CIP	Catalogue Interoperability Protocol
CIP-AD	CIP Release A Demonstration
CIRES	Cooperative Institute for Research in Environmental Sciences (Univ of Colorado)
CIRS	Composition Infrared Spectrometer
CIS	cryogenic interferometer spectrometer
CISP	Commercial Internet Service Provider
CIT	California Institute of technology
CITE	cargo integration test equipment
	chemical instruments test experiment
CITF	CDOS Integration and Test Facility
C-ITSM	Center Information Technology Security Manager
CIU	controls interface unit
CIWG	Catalog Interoperability Working Group
	Canadian Ice Working Group
CKD	Clough, Kneizys, and Davies
CLAES	Cryogenic Limb Array Etalon Spectrometer
CLAM	Cooler Located Analog Electronics Module
CLASS	communications link analysis simulation system
CLAVR	Clouds from AVHRR
CLCW	command link control word
CLI	command line interface
CLIVAR	Climate Variability (and Predictability International Program [WCRP])
	Climate Variability research Program (uses ADEOS data)
CLO	chlorine monoxide

CLO _x	oxides of chlorine family
CLP	cell loss priority
CLR	cell loss ratio
CLS	client subsystem
CLTU	command link transmission unit
	command link transfer unit
cm	centimeter
CM	configuration management
	center of mass
	command management
CMA	CM Administrator
CMAS	configuration management application service
CMB	Configuration Management Board
CMD	command
	command subsystem
CMDL	Climate Monitoring and Diagnostics Laboraotry
CMD/TLM	command/telemetry
CME	Calibration Mechanism
cmi	continuous measurable improvement
CMI	Configuration Management Instruction
	Crptographic management Interface
CMIP	common management information protocol
CMIS	common management information services
CMM	Configuration Management Manual
CMO	configuration management office
CMOS	common metal oxide semiconductor
CMP	configuration management plan
	corrective maintenance performed
	computer model package
CMR	cell mis-insertion rate
CMS	command management system
	command management subsystem
	common management service
	configuration management system
	code management system
	customer management system
	command management service
CMSE	Configuration Management Systems Engineer
CMSL	Configuration Management Software Librarian
CMT	Collection Management Tools
CMTS	Control and Monitor Test Set
CMU	Contamination Monitoring Unit
C/No	carrier-to-noise density ratio
C/N0	carrier power to noise power sapectral density ratio
CN	change notice
CNE	Campus Network Environment
	center network environment
CNELs	community noise equivalent levels
CNES	Centre National d'Etudes Spatiales (France)
CNPS	California Native Plant Society
CNR	Consiglio Nazionale delle Ricerche (Italy)
	Ccarrier to Noise Ratio
CNRS	Centre National de la Recherche Scientifique

CO	contracting officer
	carbon monoxide
CO1	Change Order 1
CO ₂	carbon dioxide
COADS	Comprehensive Ocean-Atmosphere Data Set
COARDS	Cooperative Ocean/Atmosphere Research Data Service
COARE	[TOGA] Coupled Ocean-Atmosphere Response Experiment
COB	close of business
COBE	Cosmic Background Explorer
CODA	customer operations data accounting
	Customer Operational Data Accounting Service
CODD	change order definition date
CODEC	Compression/Decompression
CODMAC	Committee on Data Management, Archiving, and Computing
	Committee on Data Management and Computation
COE	Contingency Operations Exercise
COF	construction of facilities
	component origination form
COFUR	Cost of Filling a user Request
COHMEX	Cooperative Huntsville Meteorological Experiment
Co-I	co-investigator
COLA	Center for Ocean-Land-Atmosphere (IGES)
COLD	Computer Output to Laser Disk
COLOR	Ocean Color Flight - SeaWIFS
COM	communications
	Contamination Monitor (TEDA)
	Common Object model (language-independent architecture from Microsoft)
CoMITS	Configuration Management Information Tracking System
COMMGR	communications manager
COMMS	Communication Subsystem (generic interface)
COM-S	Contamination Monitor Sensor (TEDA)
COMS	communications subsystem
	CDOS Operations Management Service
CON	contract
CONS	connection oriented network service
CONT	contracts
	contacts
CONTR	contract
CONUS	continental United States
COOP	continuity of operations plan
COP	command operation procedure
	calibrated output processing
	co-orbiting platform
COP-1	Command Operations Protocol-1
CORBA	common object request broker architecture
COS	class of service
	Cosmic Origins Spectrograph (HST)
	Carbonyl Sulfide
COSE	Common Operating System Environment
COSEPUP	Committee on Science, Engineering, and Public Policy
COSMIC	Computer Software Management and Information Center (NASA)
COSPAR	Congress for Space Research
COSS	common object services specifications

COSTR	collaborative solar terrestrial research
COTR	contracting officer's technical representative
COTS	commercial off-the-shelf (hardware or software)
cov	covariance
COV	Coefficient of Variation
CP	cold plate
	cost plus
	conference publication
	call for proposals
	Command Processor
	telemetry and control processor
CPAF	cost plus award fee
CPAN	Comprehensive Perl Archive network
CPCGN	Canadian Permanent Committee on Geographical Names
CPCI	computer program configuration item
CPEP	Climate, People and Environment Program
CPF	calibration parameters file
CPFF	cost plus fixed fee
CPG	Consumer Packaged Goods
CPHTS	capillary-pumped heat transport system
CPI	cost performance index
CPIO	copy files in from and out to an archive
CPL	computer program library
CPM	critical path method
CPN	CCSDS principal network
CPP	cloud photopolarimeter
CP-PDU	CCSDS Path Protocol Data Unit
	Central Processing-Protocol Data Unit
CPR	cost performance report
	Cloud Profiling Radar
CPS	contractor purchasing system
CPSR	Contractor Purchasing System Review
CPT	comprehensive performance test
CPTEC	Center for Weather and Climate Prediction (Brazil)
CPU	central processing unit
CPV	Continuous Pressure Vessel
CR	change report
	change request
	contractor report
	correlation radiometer
	correlation radiometry
	cost reimbursable
	classroom presentation
CRA	central radiator assembly
CRC	Climate Research Committee (NRC)
	cyclic redundancy code
	cyclic redundancy Checksum
CRF	change report form
CRIS	Cross-tracked Infrared Sounder
CRISTA	Cryogenic Infrared Spectrometers and Telescopes for the Atmosphere
CRISTA/SPAS	Cryogenic Infrared Spectrometers and Telescopes for the Atmosphere/ Shuttle Pallet Satellite
CRL	Communication Research Lab (Japan)
CRM	change request manager

CRP	Command relay Processor
CRR	Capabilities and Requirements Review
CRS	cloud radiative swath
CRSP	Commercial Remote Sensing Program
CRT	cathode ray tube
CRU	computer resource unit
CRYSYS	cryospheric system
	Use of the Cryospheric System to Monitor Global Change in Canada (EOS IDS)
C/S	(EOS) common spacecraft
CS	client server (use client-server for EDHS search)
	convergence sublayer
	communications subsystem
	computer software
	Common Services
CSA	Canadian Space Agency
	configuration status accounting
	celestial sensor assembly
CSAR	Configuration Status Accounting Report
CSAT	Center for Space and Advanced Technology
	computer security awareness training
CSC	computer software component
	coordinate system conversion
	Computer Sciences Corporation
C/SCSC	Cost/Schedule Control system Criteria
CSCI	computer software configuration item
CSD	command safety destruct
CSDT	computer science data types
CSES	Center for the Study of Earth from Space (Univ of CO)
CSF	comprehensive science forms
	control and simulation facility
	chemistry and special flights
CSI	configuration sub item
	contractor source inspector
	(Institute for) Computational Sciences and Informatics
CSIRO	Commonwealth Scientific and Industrial Research Organization (Australia)
CSL	Configuration Status List
CSLC	California Space Launch Complex
CSM	Cold Sky Mirror (AMSR-E)
	Computer Status Monitor
CSMA/CD	carrier-sense multiple-access with collision detection
CSMS	Communications and Systems Management Segment
CSO	computer security officer
CSOC	Consolidated Space Operations Center
	Combined Satellite Operations Contract
CSP	Common Signal Processor
	Commerce Service Provider
CSR	Consent To Ship Review
CSS1	CSS level 1 (W3C)
CSS2	CSS level 2 (W3C)
CSS	communications subsystem
	coarse sun sensor
	communications and infrastructure subsystem
	client server subsystem
	Cascading Style Sheets (W3C, HTML 4.0)

CSSA	Coarse Sun Sensor Assembly
CSSE	CDOS Software Support Environment
CSS-P	CSS Positioning
CSSR	contract summary status report
	contract schedule status report
CST	carrier star tracker
	Comment/Survey Tool
C-STAR	Conically Scanning Two-look Airborne Radiometer
CSTI	Civilian Space Technology Initiative
CSTOL	Customer System Test and Operations Language
	Colorado System Test Operations Language
CSU	computer software unit
	command language (OASIS)
	Colorado State University
CT	combined test
CTA	Computer Technology Assessment
CTAV	CDOS Test and Verification
CTB	central thermal bus
CTC	contract target cost
	cost to complete
	Center for Technology Commercialization
	command and telemetry controller
	Command & Telemetry Controller/Communication and Tracking Console
CTD	cost to date
	cell transfer delay
CTE	Coefficient of Thermal Expansion
CTF	Critical Transfer Frames
CTFS	common time frequency system
CTI	Command and Telemetry interface
	Computer Telephony Integration
CTIU	command and telemetry interface unit
CTL	compatibility test laboratory
CtLib	Call to Library
CTM	Communications Test Message
	Chemistry and Transport Model
CTN	collection technical note
CTO	Commercial Technology Office
CTP	confidence test program
	confidence test package
CTP-EFC	confidence test program electronic file cabinet
CTQ	command tag queuing
CTV	compatibility test van
	cell transfer variation
CU	University of Colorado
	Control unit
CUB	Cuiba, Brazil station id
CUC	constant and unit conversions
	CCSDS unsegmented time code
CUP	Contract Understanding Period
CUT	code and unit test
	COTS Upgrade Team
CVCDU	coded virtual channel data unit
CVCDU-ID	CVCDU Identifier
CVCM	collected volatile condensable mass

CVP	Content Vectoring Protocol
CVT	current value table
CW	continuous wave
	control window
	carrier wave
CWBS	contract work breakdown structure
CY	calendar year
CZCS	Nimbus-7 Coastal Zone Color Scanner

- D -

D1	SRCA Detector 1, Radiance Stability Monitoring Detector
D2	SRCA Detector 2, Didymium Glass Calibration Detector
D3	High performance tape cartridge system used in DSS STMGT CSCI. Model is Red Wood SD-3.
D3	SRCA Detector 3, Reference Detector
D&F	determination and finding
D/L	downlink
DA	digital to analog
DAA	data availability acknowledgment document availability authorization
DAAC	Distributed Active Archive Center Data Active Archiving Center (stores mission data)
DADS	data archive and distribution system data archive and distribution subsystem (Version 0) data archive and distribution service
DAF	data archive facility data archival function
DAG	directed acyclic graph
DAM	DAAC Archive Manager
DAMUS	data management and user services
DAN	data availability notice
DAO	Data Assimilation Office (NASA/GSFC)
DAP	directory access protocol Delivered Algorithm Package delivery archive package
DAR	data acquisition request
DARA	Deutsche Agentur fur Raumfahrtangelegen Heiten (Germany)
DARPA	DoD Advanced Research Projects Agency
DART	Data Acquisition Request Tool
DAS	data assimilation system (at DAO) data availability schedule detailed activity schedule direct access system direct access service dual attached system dual attached station
DASCE	Data Assimilation System Computing Environment
DASD	direct access storage device
DASM	design and analysis support model Direct Access System Modulator (X-Band)
DAT	digital audio tape
DB1P,R	Data Bus One Primary or Redundant (Input)
DB2P,R	Data Bus Two Primary or Redundant (Input)
DB3E,O Horiz, Diag	Data Bus Three Even or Odd # Module Horizontal or Diagonal (Output)
dB	decibel
DB	database direct broadcast (AM-1) data block
DBA	database administrator
DBCC	Database Consistency Checker
DBCS	Double-byte Character Set

DBE	Data Block Emulator
dB-Hz	decibel-hertz
dB _i	decibel above isotropic
	decibel input
DBI	data browser interface
dB-K	decibel/degrees Kelvin
dBm	dB Milliwatt
DBM	database management
DBMS	database management system
DBS	direct broadcast system
	database
dBW	decibel relative to 1 watt
dc	direct current
DC	data collection
DCA	data collection assignment
DCAR	data collection analysis request
DCAS	Defense Contract Administration Service
DCC	developmental cost commitment
DCCI	distributed computing configuration item
DCDS	Data and Command Distribution Services
DCE	distributed computing environment (OSF)
	distributed communication environment
DCF	data capture facility
	data control function
	data capture function
DCHCI	distributed computing hardware configuration item
	distributed communications hardware configuration item
DCL	data control language
DCMC	defense control management center
DCN	document change notice
DCO	document change order
	Document Content Description (XML)
DCOM	Distributed Component Object Model
DCP	default configuration procedure
	data control platform
	distribution control process
DCR	data collection request
	design certification review
	dc restore
DCS	data collection system
DCT	digital cassette tape
DCTT	DSN Compatibility Test Trailer
DCW	digital chart of the world
DD	data distributor
	Direct Downlink
	data dictionary
DDA	data delivery acknowledgment
	Deployment Drive Assembly (CERES)
ddb	delayed direct broadcast
DDC	document development and control (matrix)
DDD	day, three digit format
DDE	Dynamic Data Exchange
DDEF	defect diagnostic entry form
DDF	data distribution facility (Pacor)

DDI	Diffuse Downwelling Irradiance
DDICT	data dictionary
	data dictionary CSCI
DDIST	data distribution
	data distribution CSCI
DDL	data definition language
	direct downlink (AM-1)
	Data Description Language
DD&M	Database Development and Management
DDM	Deployment Drive Mechanism
	Database Development and Management (subsystem)
DDMT	data dictionary maintenance tool
DDN	data delivery notice
DDR	detailed design review
DDS	data delivery service
	direct downlink system
	data distribution service
	detailed design specification
	data dictionary service
	digital data storage
DDSHW	document data server HWCi
DDSiT	Data Distribution Service CSCI
DDSRCHW	Document Data Server CSCI
DDSRV	document data server
	document data server CSCI
DDT	DAAC Distribution Technician
	Data Dictionary Tool
DDT&E	Design, Development, Test and Evaluation
DDT&V	Design, Development, Test and Verification
DDTS	distributed defect tracking system
	defect data tracking system
	Discrepancy Tracking System for NCRs
DD&V	Design, Development, and Verification
DDW	detailed design walkthrough
DE	Dynamics Explorer
DEBITS	Deposition of Biogeochemically Important trace Species
DEC	Digital Equipment Corporation
DECAFE	Dynamique et Chimie de l'Atmosphere en Foret Equatoriale
DECOM	[FOS] decommutation process
	Microsoft's Distributed Component Object Model
DECT	Digital European Cordless Telecommunications
DED	data element directory
DEDS	DAAC to EDOS Data set
DEF	data exchange format
deg	degree
DEIS	draft environmental impact statement
DELNI	DEC Ethernet LAN Network Interface
Delta V	Delta Velocity(budget)
DEM	digital elevation model
	Detector Modules
DEMO	demonstration
demux	demultiplexer
DEOS	De Mario Electro Optics System
DES	data encryption standard

	DAAC Emergency System
	station description message
	Deployable Earth Shade (AIRS)
DESKT	desktop [configuration item]
	desktop CSCI
DEU	Deployment Electronic Unit
DEV	development
	developed code
DF	data flow
	Data Formatter (ASIC Performing Input/Output on Solid State Recorder)
DFA	dual frequency altimeter
	dual-frequency radar altimeter
DFCD	data format control document
DFD	data flow diagram
DFG	Deutsche Forschungsgemeinschaft (German National Science Foundation)
DFRD	data format requirements document
DFMH	Dispersed Free Molecular heating
DFS	distributed file system
	distributed file service
DG	data grade
	data group
DG1	data group 1 (TDRSS)
DG2	data group 2 (TDRSS)
DGVM	Dynamic Global vegetation Models
DHC	data handling center
DHCP	Dynamic Host Configuration protocol
DHF	data handling facility
DHTML	Dynamic HTML (Netscape, Microsoft)
DI	developmental items
DIAL	Differential Absorption Lidar
	Data and Information Access Link
DIAPR	Data Integrity and Privacy Requirement
DIAS	digital avionic integrated system
DIB	directory information base
DIC	Dissolved Inorganic Carbon
DID	data item description
	data ingest/distribution
DIF	data interface facility
	directory interchange format
	directory interface format
	Dial Interactive Facility (MSFC)
DifM	Diffuser Mechanism
DIM	distributed information manager
	distributed information management
DIMGR	distributed information manager
	distributed information manager CSCI
DIP	distribution and ingest peripheral
DIPHW	distribution and ingest peripheral hardware [configuration item]
	distribution and ingest peripheral management HWCI
DIR	direct
DIS	data information system
	data ingest and server
	data interface system
	Distributed Interactive Simulation

	Draft international standard
DISC	Dataset Independent Subsetting Client
DISORT	Discrete Ordinate Radiative Transfer Model
DISS	Dataset Independent Subsetting Server
	Data Information Systems & Services
DIT	DAAC ingest technician
DITL	day in the life
DIU	data interface unit
DKI	Parepare, Indonesia Station ID
DLG	digital line graph
DLL	Dynamic Link Library
	Design Limit Load
DLPDU	data link protocol data unit
DLPO	DoD Landsat Program Office
DLR	Deutsche Forschungsanstalt fur Luft-und (German Aerospace Research Establishment)
DLS	Dynamic Limb Sounder
DLT	data link terminal
	digital linear tape
DM	data management
	Design margin
	diffuser mechanism
	development model
DMA	Defense Mapping Agency
	Dynamic Memory Access
	Direct Memory Access
	Dynamic Mechanical Analysis
DMDB	data management database
DME	distributed management environment
	Drive Motor Electronics
DMF	data/metadata file
	decommuted mnemonic file
DMGHW	data management hardware [configuration item]
DML	data manipulation language
	Daily Master Load
DMO	data management office
	data management organization
DM&O	Data Management and Operations
DMP	data migration plan
	distributed memory parallel processing
DMR	detailed mission requirements
DMS	data management system
	data management subsystem
	dimethyl sulfide
	data management service
	Doppler Measurement System
DMSP	Defense Meteorological Satellite Program
	Defense Meteorological Sensing Platform
DMT	Data Management Team (LaRC)
DMWG	Data Migration Working Group
	Data Modeling Working Group
	Data Management Working Group
DN	design note
	distribution notice

	data number
DNAEE	Divisao Nacional de Aguas e Energia Eletrica (Brazil)
DNS	domain name services
	domain name system
DNSI	Direct Normal Solar Irradiance
DNV	Det Norske Veritas
DO	Derived Objects
DOAS	Differential Optical Absorption Spectroscopy
DOC	distributed object computing
	Dissolved Organic Carbon
DoC	Department of Commerce
DOD	digital optical data
	digital optical disk
	Depth of Discharge
DoD	Department of Defense
DoE	Department of Energy
DOF	distributed object framework
	Dial Output Facility (MSFC)
	direction of flight
	degrees of freedom
	data operations facility
DoI	Department of the Interior
DOM	DHF operations manager
	Dissolved Organic Matter
	Dose Monitor (TEDA)
	Document Object model (W3C specification)
DOPLID	Doppler Lidar
DORIS	Doppler Orbitography and Radiopositioning Integrated by Satellite
DORRAN	Distributed Ordering, Reporting, Researching, and Accounting Network (EDC)
DOS	disk operating system
DoS	Department of State
DOT	Department of Transportation
DOTS	Data Ordering and Tracking System (JPL)
DOUBLE	double type
DOY	day of year
D&P	Definitive and Predictive
DP	data processing
	direct playback (AM-1)
DPA	delegation of procurement authority
	Double precision arithmetic
DP-CIO	Data Products Content Identifier Object
DPF	data processing facility
	data production facility
DPFT	Data Processing Focus Team
DPH	Data Products Handbook
DPM	Deputy Project Manager
DPM/R	Deputy Project Manager, Resources
DPI	data processing installation
	dots-per-inch
(D)PR	dual precipitation radar
DPR	data processing request
	data pedigree review
DPRB	Data Processing Resources Board

DPREP	data pre-processing CSCI data processing data preprocessing
DPRID	Data Processing Request Identifier
DPRT	On-demand production Request Tool
DPS	data processing subsystem DAAC/ECS Processing System
DPWG	data processing working group
DQA	data quality assessment
DQM	data quality monitoring
DQS	domain queuing system
DR	data repository data request disaster recovery discrepancy report data requirement data rate delivery record delivery review deficiency reporting
DRA	data request acknowledgment
DRAM	Dynamic Random Access Memory (needs to periodically refresh stored charge in each memory cell)
DRB	Discrepancy Report Board Delivery Review Board Discrepancy Review Board
DRD	data requirements document
DRDA	Distributed relational Database Architecture
DRF	detailed requirements form
DRI	Data Ready Indicator
DRL	data requirements list
DRM	design reference mission Drafting Room Manual
DRO	Dielectric Resonating Oscillator
DRP	data reduction platform
DRPHW	data repository hardware [configuration item]
DRR	Data Retrieval Response data readiness review
DRS	direct downlink receiving station DDL Receiving System direct receiving station
DRSS	Data Relay Satellite System
DRTS	Data Relay and Tracking System (Japan)
DRTS-GS	DRTS Ground System (Japanese WSC)
DRTT	discrepancy reporting and tracking tool Discrepancy Review Test Tool
DRUED	Developers Resource for Usability and Evaluation Database
DRWS	defect resolution worksheet
DRW/SDW	Detailed Requirements Walkthrough/System Design Walkthrough
DS	data server Dark Signal measurement discrete
DS-1	digital signal 1
DS-3	digital signal level 3

DSA	directory system agent data subscription acknowledgment directory service agent
DSB	direct sounding broadcast
DSCAL	Deep Space Calibration
DSCC	Deep Space Communications Complex (DSN)
DSCM	Direct Simulation Monte Carlo
DSCS	Defense Satellite Communication System
DSD	Data Systems Division (a division of BF Goodrich)
DSF	development status form
DSI	delivered source instructions data server interface
DSL	Digital Subscriber Line Document Status List
DSLAM	DSL Access Multiplexer
DSM	data systems manager distribution storage management
DSMC	Defense System Management College Direct Simulation monte-Carlo
DSN	Deep Space Network
DSNO	Distributed Network Systems Office
DSOM	Distributed System Object Model
DSP	directory service protocol Defense Support Program
DSR	data subscription request Daily Status Reviews
DSRS	Data Storage and Retrieval System
DSS	data server subsystem decision support system dataset - specific data subsystem
DSSM	Data Systems Study Manager
DSSSL	Dynamic Style Semantics and Specification Language
DST	direct sounder transmission Document Search Tool
DSU	Data Storage Unit
DSU/CSU	data service unit/channel service unit
DSWG	Data Science Working Group
DT	data type data transfer Delta T (Temperature)
DTAM	Digital Tectonic Activity Map
DTC	Distributed Transaction Coordinator
DTD	document type definition
DTDS+	Disaster-Tolerant Disk Systems Plus
DT&E	development test and evaluation
DTED	digital terrain evaluation data
DTF	development test facility
DTG	date time group
DTIC	defense technical information center
DTM	digital terrain model Dual Thruster Module
DTR	development and test resource
DTS	distributed time server

	distributed time service
	Digital test Subsystem
DTSC	Department of Toxic Substances Control
DT&T	developmental, test, and training
DTU	Digital Telemetry Unit
DU	Dobson Unit
DUP	duplicate platform
DV	data visualization
	development
	delta velocity
DVD	digital video disk
DVME	Datel VME (A VME built by Datel – a company)
DWA	Double Wrap-Around
DWB	Discrete Wiring Board
DWG	drawing
DWL	Dopplar Wind Lidar
DWS	doppler wind sensor
Dynacs	a company performing S/C operations

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- E -

EA	Electronics Assembly Electrical Assembly
EAC	estimate at completion
EAGE	electrical aerospace ground equipment
EAI	Enterprise Application Integration
EA-MSCIF	Electronics Assembly MSCIF
EAP	EOS Advisory Panel EDOS Activity Plan
Early AM-1	EOS Morning Crossing (Descending) Mission
EAS	ECS Advertising Service electrical accommodation subsystem (AM-1)
EASE	equal area SSM/I earth expert advisor state equation equal-area scalable earth-grid equal-area scalable Earth
EASE-Grid	equal area SSM/I earth grid
EASOE	European Arctic Stratospheric Ozone Experiment
E_b	energy per bit
E_b/N_0	energy per bit to noise ratio
EBC	Eastern Boundary Currents
EBCDIC	extended binary-coded decimal interchange code
EBnet	EOSDIS Backbone Network (combines Ecom and ESN) ethernet backbone network
EBS	EOS Broadcast Stations
EC	European Community executive committee error correction error condition environment controller
ECA	engineering change analysis
ECAC	Electromagnetic Compatibility Analysis Center
Ecal	Electronic Calibration
ECC	error correction and control Error Correction Code Elliptic Curve Cryptography
ECF	Error Control Field
ECHIVAL	European International Project on Climate and Hydrological Interactions between Vegetation, Atmosphere, and Land Surfaces
ECI	earth centered inertial earth centered internal
ECL	ECS command language emitter coupled logic EOS Control Language
ECLIPS	Experimental Cloud Lidar Pilot Study
ECMA	European Computer Manufacturers Association
ECMAScript	Scripting Specifications by W3C
ECMP	ECS configuration management plan
ECMWF	European Centre for Medium Range Weather Forecasts (UK)
ECN	engineering change notice equipment control number
ECOM	EOS Communications (replaced by EBnet)

	EOSDIS Communications System
ECP	engineering change proposal
ECR	Earth centered rotating
	engineering change request
ECRB	EMOS Configuration Review Board
	EOS Configuration Review Board
ECS	EOSDIS Core System
	external communications subsystem
ECSSO	Executive Committee for Science Outreach
ECSS	EOS Common Spacecraft Specification
ECT	EOS compatibility test
EDAAC	EDC DAAC
EDAC	error detection and correction
EDC	EROS Data Center (DAAC) (USGS)
	Estimated Discharge Current
EDCAS	equipment designers cost analysis system
EDDS	Engineering Document Dissemination System
EDF	ECS development facility
EDG	EOS Data Gateway (V0 Client – replacement of B0SOT)
EDHS	ECS Data Handling System
EDI	electronic data interface
	electronic data interchange
EDIO	External Development & Interface Office
EDM	engineering development model
EDMA	ESDIS Data Model Analysis
EDMed	Electro-Discharge Machined
EDMP	ECS Data Management Plan
EDN	Expedited Data Set notification
EDOCS	EOS Data Operations and Communications System
EDOS	EOS Data and Operations System
EDP	embedded data processor
EDR	Environmental Data Record
	Expedited Data Set request
EDRI	Engineering Data Ready Indicator
EDRS	European Data Relay Satellite
	Engineering Drawing Release Schedule
EDS	Earth Data System (NIIT)
	Electronic Data Systems (ECS Team)
	EDOS data set
	expedited data set
	electron data system
	electrical distribution subsystem
EDU	EDOS Data Unit
	Exchange Data Unit
EEA	European Environment Agency
EEB	electrical equipment building
EECF	Earthnet ERS-1 Central Facility
EED	electro-explosive device
EEDSOG	End-to-End Data Systems Operations Group
EEE	electrical, electronic and electromechanical
EEID	EOSDIS external interface document
EEMOC	European EOS Mission Operations Center
EEMTB	Electrical Engineering Model Test Bed
EEOPM	electric-optic phase modulation

EEPROM	Electrically Erasable Programmable read Only memory
EER	external engineering review
EET	educate, engage, transfer
	end-to-end test
EETS	EOS Electronic Transfer System
EFC	electronic file cabinet
EFEDA	ECHIVAL Field Experiment in Desertification-Threatened Areas
E-Field	electric field
EFM	EOS AM-1 Flight Software Maintenance
EFP	explosively formed projectile
EFT	Electronic Funds Transfer
EGCM	Eddy-resolving General Circulation Model
EGIG	Expédition Glaciologique Internationale au Groenland
EGP	Exterior Gateway Protocol
EGS	EOS Ground System
	EOS Ground Station
EGSE	electrical ground support equipment
EGT	EOSDIS Ground Terminal
EGTS	EOS Ground Test System
EIA	Electronic Industries Association
EICC	European Instrument Control Center
EICD	Interface Control Drawing, Electrical
EID	Electrical Interface Drawing
EIDE	Enhanced IDE
EIF	engineering interface
	Entry Interface Facility
EIGRP	Enhanced Interior Gateway Routing Protocol
EIN	equipment identification number
	ECS identification number
EIP	experiment implementation plan
EIRP	equivalent isotropically radiated power
	effective isotropic radiated power
EIRR	External Independent Readiness Review
EIS	environmental impact statement
	Enterprise Information Systems (part of Raytheon Systems Co.)
	Executive Information System
EISA	extended industry standard architecture
	enhanced industry standard architecture
E-ISAT	EOSDIS Internet Security Assessment Team
EIT	EOSDIS Integration Team
EITC	EGS interface test capability
EITP	Earth Science Information Technology Program
EITSO	ESDIS Information Technology Security Official
EJB	Enterprise JavaBean (server component model for Java from Sun)
El	elevation
ELA	Event Logging API
ELAN	emulated local area network
ELAS	Earth (Resources) Lab Applications Software
ELF	extremely low frequency
E-LIDAR	experimental lidar
ELU	Electronics Unit
ELV	expendable launch vehicle
EM	engineering model
	equipment module

EMA	enterprise management architecture
EMACC	EOS Multiple Applications Control Center
E-mail	electronic mail
EMAP	environmental monitoring and assessment program
EMASS	E-Systems Modular Automated Storage Systems
EMC	enterprise monitoring and coordination
	electromagnetic compatibility
	enterprise management center
	electromagnetic charge
EMDS	Enhanced Mass Data Storage
EMF	Electromotive Force
EMI	electromagnetic interference
	electromagnetic-radiation interference
EMIS	EDOS Management Information System
EMISM	electromagnetic interference safety margin
EMLS	EOS Microwave Limb Sounder
EMOC	EOSDIS Mission Operations Center
	EOS Mission Operations Center
EMOS	EOS Mission Operations Segment (formerly FOS)
	EOS Mission Operations System
EMOWG	EOS Mission Operations Working Group
EMS	engineering master schedule
	Enterprise Management Systems (part of Raytheon Systems Co.)
EMSN	EOSDIS Mission Support Network
EMU	European Monetary Union
EN	External Network
	Engineering Note
ENA	energetic neutral atom
ENAC	Energetic Neutral Atom Camera
ENACEOS	Energetic Neutral Atom Camera for EOS
ENCC	Emergency NCC
ENG	engineering
ENSO	El Niño/southern oscillation
ENVISAT	environmental satellite
ENVISAT-1	first POEM mission (ESA)
EO-1	Earth Orbiting
EO	engineering order
	earth observation
EOC	EOS Operations Center
	Earth Observation Center (Japan)
	end of contract
EOCC	EOS Operations and Control Center
EOCAP	Earth Observation Commercial Applications Program
EOD	entering orbital day
EODC	Earth Observation Data Centre (UK)
EOF	End of File
EO-ICWG	Earth Observations International Coordination Working Group
EOIS	Earth Observation Information System
EOL	end of life
	End of line
EON	entering orbital night
EOP	EDOS operation protocol
EOPM	electro-optic phase modulator
EOPP	Earth Observation Preparatory Programme

EOPS	ERBE Operational Processing System (LaRC)
EORC	Earth Observation Research Center (Tokyo, Japan)
EOS	Earth Observing System
EOS AERO	EOS Aerosol Mission
EOS ALT	EOS Altimetry Mission
EOS AM	Earth Observing System Observatory AM or Morning Crossing (Descending) Mission
EOSAT	Earth Observing Satellite Company
EOSC	EOS Operations Support Capability
EOS CHEM	EOS Chemistry Mission
EOS COLOR	EOS Color Mission
EOSDIS	Earth Observing System Data and Information System Earth Observing System Data Interface System
EOSFDS	EOS Flight Data System
EOSIWG	EOS Investigator Working Group
EOSL	Earth Observation Sciences Ltd. (UK)
EOSP	Earth Observing Scanning Polarimeter
EOS PM	Earth Observing System Observatory PM or Afternoon Crossing (Ascending) Mission (afternoon spacecraft series) (see AIRS, AMSU-A, MHS, MIMR, CERES and MODIS) instruments
EOSPSO	EOS Project Science Office
EOSSALT	Earth Observing Solid-State Radar Altimeter
EOSSMS	EOS Space Measurement System
EOSSRP	EOS Scientific Research Program
EOT	EDOS Operational Timeline end of track
EOWG	ESDIS Operations Working Group
EP	evaluation package earth probe electrical power explorer platform
EPA	Environmental Protection Agency
EPC	Electrical Power Conditioner Electrical Power Control
EP CSR	Evaluation Package Consent To Ship Review
EPDS	earth probe data system Electrical Power Design Subsystem EMOS Production Data Set
EPH	ephemeris data access
EPG	ECS Process Improvement Group EOS Polar Grounds Network Engineering Process Group
EPGN	EOS Polar Ground Network
EPGS	EOS Polar Ground Station
EPIC	energetic particles and ion composition Earth Polychromatic Imaging Camera
EPL	engineering parts list
EPM	Earth Pointing Mode
EPO	emergency power off
EPOCH	Epoch – a time reference start point
EPOP	European Polar-Orbiting Platform
EPROM	erasable, programmable read-only memory
EPRR	Evaluation Package Readiness Review
EPS	electrical power subsystem (AM-1)

	encapsulated postscript
EPSG	European Petroleum Survey Group
EPV	endpoint vector
EPW	Electrical Pulse Width
EPX	electrical power converter
EQM	Engineering Qualification module
eqpt	equipment
E-R	entity-relationship
ER	equipment room
ER-2	NASA Research aircraft
ERAST	Experimental Research Aircraft Sensor Technology Program
ERB	earth radiation budget
	EGS Review Board
	engineering review board
ERBE	Earth Radiation Budget Experiment
ERBI	Earth Radiation Budget Instrument
ERBS	Earth Radiation Budget Satellite
ERC	Error Resource Catalogue
ERCN	Educator Resource Center Network
ERD	entity relationship diagram
	entity relationship design
ERDET	ESDIS Requirements Database Engineering Team
ERG	EOSDIS Review Group
ERIM	Environmental Research Institute of Michigan
ERIS	EMOS Requirements Information System
ERL	environmental research laboratory
ERMES	European Radio Messaging System
EROS	Earth Resources Observation System
ERP	Enterprise Resources Planning
ERPS	EOS Real-time Processing System
ERS	Earth Resources Satellite
	European Remote-Sensing Satellite
ERS-1	European Remote Sensing Satellite-1
ERS-2	European Remote Sensing Satellite-2
ERSDAC	Earth Resources Satellite Data Analysis Center (Japan)
	Earth Remote Sensing Data Analysis Center
ERTS	earth resource technology satellite
ERTS-1	Earth Resources Technology Satellite – 1
E/S	End Switch (mechanisms)
E&S	Earth and Sky
ESA	European Space Agency
	earth sensor assembly
ESAD	Earth Science and Applications Division (NASA Hq)
ESADS	Earth Science and Applications Data System
ESC	engineering support center
	electrical systems center
ESCC	Electrically Self-Calibrating Cavity
ESCIF	Electrical S/C I/F
ESD	electrostatic discharge
	engineering support directives
ESDD	Earth Science Data Directory
ESDIS	Earth Science Data and Information System
ESDISP	ESDIS Project
ESDT	earth science data types

ESE	Earth Science Enterprise (formerly Mission to Planet Earth)
ESF	Engineering Support Function
ESFU	enhanced standard format unit
ESH	EDOS Service Header
	EDU service header
ESI	Electro-Space Incorporated
ESIC	Earth Science Information Center
ESID	EOSDIS systems interface document
ESIOP	Environment-Specific inter-ORB Protocol
ESIP	Earth Science Information Partner
ESIPS	EOSDIS Science Investigator-Led Processing System
ESIS	ESA Space Information Systems
ESJWG	Earth Science Joint Working Group
ESMC	Eastern Space and Missile Center
ESMES	EOS System Management and Engineering Site
ESMO	Earth Science Mission Operations
ESMOS	Earth Science Mission Operation System
ESMP	ECS schedule management plan
ESMR	Electronically Scanning Microwave Radiometer
ESN	EOSDIS Science Network (ECS) (replaced by EBNet)
ESnet	Energy Sciences Network
ESO	ECS server object
ESOC	European Space Operations Center
	EOSDIS system and operations concept (document)
	equivalent state of charge
ESOD	Earth Science On-line Directory
ESPAD	expert system for platform anomaly diagnosis
ESQL	Earth Science Query Language
ESR	EGS Status Review
	Equipment Status Report
	Electrical Substitution Radiometer
ESRI	Environmental Systems Research Institute
ESRIN	European Space Research Institute
ESS	Engineering Support Subsystem (Ecom)
	Engineering Support System
ESSAAC	Earth System Science and Applications Advisory Committee
ESSB	Earth System Sciences Building
ESSC	European Space Science Committee
	Earth Systems Science Committee
ESSE	EDOS System Support Environment
ESSi	Engineering and Science Services, Inc. (ECS Team)
ESSIC	Earth System Science Interdisciplinary Center
ESSM	Enterprise SQL Server Manager
ESSN	EOSDIS Science Support Network
	Earth Science Space Network
ESSO	Earth Science Support Office
ESSP	Earth System Science Pathfinder
	Earth Science Systems Program
ESST	Earth Science Search tool
ESTAR	Electrically Scanned Thinned Array Radiometer
ESTEC	European Space Research and Space Technology Centre
ESTMS	EOC Spacecraft Time Management Software
ESTOL	EOS Standard Text and Operation Language
ESUS	ECS Scientist User Survey

ESWG	EOSDIS Security Working Group
ET	environmental technical evapo transpiration ephemeris tool external tank
ETAC	Enhanced Total Access Communications
ETC	engineering training course
ETE	end-to-end
ETFSP	Enhanced Technology Flight Segment Prototype
Ethernet	Low-level protocol for high-speed networks
ETL	EOS Team Lead Environmental Technology Laboratory (Boulder, CO)
ETM	ECS technical manager engineering test model
ETM+	Enhanced Thematic Mapper Plus (Landsat 7)
ETR	Element Test Review Eastern Test Range Engineering Team Request
ETRD	EBnet Traffic requirements Database
ETRO	Estimated Time Return to Operations
ETS	EOS test system EOSDIS Test System electronic test signal Emissivity/Temperature Separation
ETSF	EOC Training Simulator Facility EOSDIS Test System Facility EOS Telemetry Simulator facility
ETS-VII	Engineering Test Satellite - VII (Japan)
ETTS	ECS Trouble Ticketing System
EU	engineering unit European Union
EUMETSAT	European Organization for the Exploitation of Meteorological Satellites
EUMS	ESDIS User Model Scenario
EURECA	European Retrievable Carrier
EUT	equipment under test
EUV	extreme ultraviolet
EUVE	Extreme Ultraviolet Explorer
EV	earned value (use earned-value for EDHS search) engineering version
EVAL	evaluation
EVI	Enhanced Vegetation Index
EVT	event
EWCIIP	Extended Web Communication interface Prototype
EWR	Eastern-Western Range (a safety document header)
Exotech	portable, 4-band VIS-NIR radiometer

- F -

4DDA	4-Dimensional Data Assimilation
4GL	fourth generation language
F	fahrenheit
	functionally representative
F&PRS	Functional and Performance Requirements Specification
F/D	fluid disconnect
F/L	forward link
F/P-INT	Fabry Perot Interferometer
FA	Forecast Analyst
FAB	fabrication
FACC	NATO's Feature and Attribute Coding Catalog
FACE	Florida Area Cumulus Experiment
FACS	financial and contractual status
FACT	Flexible Automatic Circuit Tester (harness tester)
FAIF	Flight Agency Interface function
FAM	file access methods
	Flight Assurance Manager
	Forward-viewing Analog-electronic module (MODIS)
FAME	formatting and multiplexing equipment
FAO	Food and Agriculture Organization
FAPAR	Fraction Absorbed Photosynthetically Active Radiation
FAQ	frequently asked questions
	frequently answered questions
FAR	Federal Acquisition Regulation
	flow alteration record
	final acceptance review
FARM	Frame Acceptance Reporting Mechanism
FAS	FOS analysis subsystem
	Foreign Agricultural Service (USDA)
FASAB	Financial Accounting Standards Advisory Board
FASIC	Function and Algorithm-Specific Integrated Circuit
FASINEX	Frontal Air Sea Interaction Experiment
FAST	Fast Auroral Snapshot Explorer
FAST-L7A	FAST-Landsat 7 format
FAT	factory acceptance test
	file allocation table (DOS)
	fabrication, assembly, and test
	flight acceptance test (for component level)
	Feature Acceptance Ticket (containing FCs, ECs, PCs)
FAX	facsimile transmission
FBL	functional baseline
FC	fiber channel
	Flow chart
	functional component
FCA	functional configuration audit
FC-AL	Fiber Channel-Arbitrated Loop
FCAPS	Fault, Configuration, Accountability, Performance and Security
FCC	Federal Communications Commission
FCCSET	Federal Coordinating Committee on Science, Engineering and Technology
FCFS	first come first served
FCHP	fixed-conductance heat pipe

FCI	functional configuration identification
FCLED	fine control law error detection
FCP	functional control program
FCS	first customer shipment
FD	functional decomposition
FDAC	failure detection and correction
FDB	Fuse Distribution Box
FDD	Flight Dynamics Division (GSFC Code 550)
FDDI	fiber distributed data interface
FDE	Flight Dynamic Engineer
FDF	Flight Dynamics Facility (replaced by FDS)
FDFEPHEM	FDF-generated definitive orbit data
FDIR	fault detection and isolation recovery
	fault data identification and reporting
FDM	frequency division multiplexing
	FOS data management subsystem
	Fill and drain module (ps)
FDMA	frequency division multiple access
FDO	Fee Determination Official
FDOA	Flight Dynamics Operations Area
FDR	FDS Design Review
FDS	Flight Dynamics System
	Flight Data System
FDSTP	FDS Test Plan
FDT	Flight Dynamics Team
FEC	forward error correction
FED	frame encapsulator/decapsulator (Ecom)
	Facilities Engineering Division
	Field Emission Display
	Federal
FED-STD	Federal Standard
FEI	Frequency Electronics Inc. (a manufacturer)
FEICD	FDS External Interface Control Document
FEL	Front End Local Area Network
FEM	Finite Element Model
FEP	front end processor
FERF	far end receive failure
FET	Field Effect Transistor
FEWS	Famine Early Warning System
FF	free flight
	fast forward
FFDP	final flight data packages
FFMSR	Federal Financial Management System Requirements
FFT	fast Fourier transform
FG	first guess
	featured group
FGDC	Federal Geographic Data Committee
FGGE	First Garp Global Experiment
FH	functional hierarchy (see FD)
	fault handling
FHS	first half scan error
FI	facility inspection
	faulty instrument
FID	Field Installation Director

FIFE	First ISLSCP Field Experiment 1
FIFO	first in, first out
FIP	Federal Information Processing fix in place
FIPS	Federal Information Processing Standard
FIRE	First ISCCP Regional Experiment
FISOL	fault isolation
FITS	flexible image transfer system flexible image transport system
FIX	Federal Internet Exchange
FK	Foreign Key
FL	floating point data type (32 bit)
FLC	fine loop control Federal Laboratory Consortium
FLD	first level destination
FLDB	Fileset Location Database
FLG	flag
FLI	Fluorescence Line Imager
FLID	first look input data
FLOAT	float type
FLOPS	Floating-Point Operations per Second
FLP	flight load package Forward Link Processor
FLPC	Forward Link Physical Channel Forward Link Processing Channel
FLPF	Forward Link Processing Function
FLPP	Forward Link Physical Port
FLS	flight standard
FLSS	Forward Link Service Status
FLT	flight
FLTSATCOM	Fleet Satellite Communications System
FLUINT	fluid integrator
FLUXNET	Flux Network
FM-1	flight model 1
FM	fault management Facilities Management
FMAS	fault management application service
FMD	Financial Management Division
FMEA	failure mode and effects analysis
FMECA	failure modes, effects, criticality analysis
FMG	file management Flight Maintenance Group
FMH	free molecular heating
FMI	Finnish Meteorological Institute - Finnish Space Agency
FMM	Folding Mirror Mechanism
FM's	flight models
FMS	facility metrics system
FMU	formatter/multiplexer unit
FNL	final FiNal Analysis and Forecast System, Global Analysis
FNMOCC	Fleet Numerical Meteorology and Oceanography Center
FNOC	Fleet Numerical Mission Operations Center Fleet Numerical Oceanographic Center (Navy) Federal naval Operations Center

FNS	Fiber Network Services
FOAF	Friend of a friend (email)
FOB	freight on board
FOC	final operational capability
	full operational capability
FOD	Flight Operations Director
FOIA	Freedom of Information Act
FOLD	Federally-owned Landsat data
FOM	Flight Operations Manager
FONSI	finding of no significant impact
FOO	flight of opportunity
	Flight Operations Office
FOP	flight operations procedures
	frame operations procedure
FOR	Flight Operations Review
	Field of regard (the total sweep available for instantaneous fields of view)
FORMATS	FDF orbital and mission aids transformation system
FORTE	fast on orbit recording of transient events
FORTAN	FORmula TRANslation (computer language)
FOS	Flight Operations Segment (ECS)
	Flight Operations System
	Flight Operations Software
FOSI	formatting output specification instance
FOT	Flight Operations Team
FOUO	For Official Use Only
FOV	field of view
FOWG	Flight Operations Working Group
FP	fixed pattern
	floating point
FPA	floating point arithmetic
	focal plane array
	focal plane assembly
FPAR	Fraction of Photosynthetically Active Radiation
	Fraction of Photosynthetic Radiation (absorbed by vegetation)
FPD	Flight Projects Directorate
FPDMSS	Flight Projects Directorate Multidiscipline Support Services
FPGA	field programmable gate array
FPM	fine point mode
FPMH	failures per million hours
FPRA	forward pricing rate agreements
FPRR	Flight Production Readiness Review
F&PRS	Functional and Performance Requirements Specification
FPS	fast packet switch
	feet per second
FPT	filter/pressure transducer (PS)
FQT	formal qualification testing
F/R	Functionality/Regression
FR	full resolution
	Frame Relay
FRB	Failure Review Board
FRC	federal record center
FRD	functional requirements document
FRDS+	Failure-Resistant Data System Plus
FRG	Federal Republic of Germany

FRGF	flight removable grapple fixture
FRM	FOS resource management subsystem
FRN	frame routing network
FRR	Flight Readiness Review
FRS	file retrieval subsystem
FS	file structure (use file-structure for EDHS search)
	flight segment
	factor of safety
	forestry service
FSB	Flight Software Branch
FSD	Flight Systems Division
FSDD	flight software design document
FSDP	facility safety data packages
FSDR	Final System Design Review
FSE	flight support equipment
	FOT S/C Evolutions
	Flight Segment Engineer
FSM	Flight Systems Manual
FSME	Flight Software Maintenance Element
FSMG	Flight Software Maintenance Group
FSMS	file and storage management system
FSOM	Flight System Operations Manual
FSS	flight support system
	Fokker Space Systems
	fine sun sensor
FSSP	Forward Scattering Spectrometer Probe
FST	field support terminal (ECS)
	flight simulation test
	flight support team
FSTB	flight software test bed
FSTR	Flight Systems Test Requirements
FSW	flight software
FSWS	flight software subsystem
FTA	transparent file access
FTAM	file transfer, access, and management
	file transfer access method
FTDS+	Failure-Tolerant Disk Systems Plus
FTE	full-time equivalent
	Factory test equipment
FTGT	First TDRSS Ground Terminal
FTL	FOS Telemetry Subsystem
FTM	file transfer management
	Filter/transducer module (PS)
ftp	file transfer protocol
ftpd	file transfer protocol daemon
FTS	Fourier Transform Spectrometer
	flight telerobotics servicer
	Federal Telecommunications System
	Frequency and Time Systems (a manufacturer)
FUI	FOS User Interface Subsystem
F/W	fast/wide
FWS	Fish and Wildlife Service
FWTK	Firewall Toolkit
FY	fiscal year

FYI

For Your Information

- G -

g	acceleration of gravity
G&A	general and administrative
G/B	gateway/bridge
GaAs	gallium arsenide
GAC	global area coverage (AVHRR)
GAI	Global Atmospheric Inc.
GAIM	Global Analysis, Interpretation, and Modeling (Program)
GAM	General Administrative Message
GAME	GOALS Asian Monsoon Experiment
	GEWEX Asian Monsoon Experiment
GAME-T	GEWEX Asian Monsoon Experiment - Tropics
GAMUT	Gas & Aerosol Monitor of the Upper Troposphere
GAO	General Accounting Office
GAAP	generally accepted accounting principles
GAP	gap analysis program
GAQD	originator routing code for IIRV messages
GARP	Global Atmosphere Research Program
GAS	get away special
GASCOFIL	gas correlation filter
GAST	Greenwich apparent sidereal time
GATE	GARP Atlantic Tropical Experiment
GATT	Government Acceptance Test Team
GB	gigabyte (10^9)
Gb	gigabit (10^9)
Gbits	Giga Bits: $1024 \times 1024 \times 1024$ Bits
GBps	gigabytes per second
Gbps	gigabits per second
GBAD	Ground Based Attitude Determination
GBFM	Global Boreal Forest Mapping
GC	global change
GCC	global change category
	Goddard Communication Coordinator
GCDIS	Global Change Data and Information System
GCF	ground communications facility (DSN)
GCIP	GEWEX Continental-Scale International Project
GCLDC	Global Change Landsat Data Collection
GCM	general (or global) circulation model
	Ground Control Message
GCMD	Global Change Master Directory
GCMR	ground configuration message request
	Ground Control Message Request
	global circulation model request
GC/MS	Gas Chromatograph Mass/Sepctrometer
GCP	ground control point
GCIP	GEWEX Continental-Scale International Project
GCM	General Circulation Model
GCMD	Global Change Master Directory
GCMR	ground control message request
GCN	Gamma Ray Burst Coordinates Network
GCOS	Global Climate Observing System
GCP	Ground Control Point

GCRP	Global Change Research Program
GCSS	GEWEX Cloud System Study
GCT	geo-coordinate transformation
GCTE	Global Change and Terrestrial Ecosystems (IGBP)
GCTP	general cartographic transformation package
GDAAC	Goddard Distributed Active Archive Center
GDAO	Goddard [Space Flight Center] Data Assimilation Office
GDAS	global data assimilation model
GDC	GeoData Center (University of Alaska, Fairbanks)
GDE	gimbal drive electronics
GDP	Gross Domestic Product
GDPS	ground data processing system
	ground data processing software
GDR	Geophysical Data Record (JPL)
GDS	ground data system
	Global Directory Services
GE	General Electric
GEBA	Global Energy Balance Archive
GEDEX	greenhouse effect detention experiment
GEIA	Global Emissions Inventory Activity
GEMs	graphite epoxy motors
GEMS	Global Environment Monitoring System
GEN	generator
GENESIS	Global Environmental and Ecological Simulation of Interactive Systems
GEO	Geostationary Earth Observation
	geostationary earth orbiter
	geosynchronous earth orbit
GEOCOMP	GEOcoding and COMPositing system
GEOS	Goddard Earth Observing System
Geosat	Geodetic Satellite
GEOTAIL	Geomagnetic Tail Laboratory
GeoTIFF	Geographic Tagged Image File Format
GERB	Geostationary Earth Radiation Budget
GES	Goddard's Earth Sciences
GESSEP	GSFC Earth Space Science Education Project
GETS	General Environmental Test Specification
GEVS	General Environmental Verification Specification
GEVS-SE	General Environmental Verification Specification for STS & ELV, Payloads, Subsystems, and Components
GEWEX	Global Energy and Water Cycle Experiment
GFCR	gas filter correlation radiometer
GFDL	Geophysical Fluid Dynamics Laboratory
GFE	government furnished equipment
GFI	government furnished information
GFLOPS	giga floating point operations (10^9) per second
GFM	Global Fault Manager
	Global Fault Management
	Grating and Field Mirror (OPB)
GFO	Geosat follow-on
GFP	Government furnished property
GFRP	graphite fiber-reinforced plastic
GFSW	GLAS Flight Software
GFY	government fiscal year

GFZ	GeoForschungs Zentrum (Potsdam, Germany)
GGD	Global Geocryology Database
GGI	Global Positioning System Geoscience Instrument
GGP	Gateway-to-Gateway Protocol
GGs	global geospace science
GGT	gravity gradient torques
GHA	Greenwich Hour Angle
GHB	Goddard Handbook
GHCC	Global Hydrology and Climate Center
GHCN	Global Historical Climatology Network
Ghe	gaseous helium
GHRC	Global Hydrology resource Center
Ghz	gigahertz
GIA	Government Inspection Agency
GIF	graphical interchange format
Giga	billion (10^9)
GIGAPOP	Gigabit Point-of-Presence
GII	geographic information System
GIIS	general instrument interface specification
GIM	Global Intergration and Modeling
GIMMS	Global Inventory Modeling and Monitoring Study
GIMTACS	GOES I-M Telemetry and Command System
GIOP	General Inter-ORB Protocol
GIP	Guest Investigator Program
GIPS	giga instructions (10^9) per second
GIRD	general interface requirements document
GIS	geographical information system
GISP	Greenland Ice Sheet Program
GISS	Goddard Institute for Space Studies
GKS	graphical kernel system
GL	general ledger
	global imager
	Generation Language
GLA	Goddard Laboratory for Atmospheres
GLAS	Geoscience Laser Altimeter System
GLAST	Gamma Ray Large-Area Space Telescope
GLCTS	Global Landcover Test Site Initiative
GLI	global imager
GLIMS	Global Land and Ice Monitoring from Space
GLIS	Global Land Information System (EDC)
GLL	Gallileo
GLM	Geostationary Meteorological Satellite
GLOBE	Global Backscatter Experiment
	Global Learning and Observations to Benefit the Environment
GLOBEC	Global Ocean Ecosystem Dynamics
GLOCHEM	Global Observations of Atmospheric Chemistry
GLRS	Geoscience Laser Ranging System
GLRS-A	Geoscience Laser Ranging System Altimeter
GLRS-R	Geoscience Laser Ranging System Ranger
GMI	Goddard Management Instruction
GMPCS	Global Mobile Personal Communications Services
GMR	Giant Magnetoresistive
GMS	Geostationary Meteorological Satellite

GSMK	Gaussian Minimum Shift keying
GMST	Greenwich mean sidereal time
GMT	Greenwich Mean Time
GN ₂ or GN2	gaseous nitrogen
GN	ground network
GN&C	guidance, navigation and control
GNC	Gatineau, Canada (satellite ground station)
GNCC	guidance, navigation & control controller
GN&CS	Guidance, Navigation, and Control Subsystem (AM-1)
GND	ground
GNMP	Government Network Management Profile Protocol
	GOSIP metowrk management protocol
GNP	Gross National Product
GNSS	Ground network scheduling system
GOALS	Global Ocean-Atmosphere-Land System (WCRP program)
GOE	ground operations exercise
GOES	Geostationary Operational Environmental Satellite
GOLD	Global on-line directory (NSIDC)
GOME	global ozone monitoring experiment
GOMI	global ozone monitoring instrument
GOMOS	Global Ozone Monitoring by Occultation of Stars (ESA)
GOMR	Global Ozone Monitoring Radiometer
GOOS	Global Ocean Observing System
GOPM	Goddard Orbital Parameters Message
GOPS	giga operations (10 ⁹) per second
GOS	Geomagnetic Observing System
GOSIP	Government Open Systems Interconnection Profile
GOTS	government-off-the-shelf
GOWG	Ground Operations Working Group
GP4	general perturbations theory
GPC	Global Positioning Center
GPCC	Global Precipitation Climatology Centre, Frankfurt, Germany
GPCP	Global Precipitation Climatology Project
GPD	Goddard Policy Directive (formerly called GMI)
GPG	Goddard Procedures and Guidelines (formerly called GHB)
GPI	Global Precipitation Index
GPIB	general purpose interface bus (computer commo bus – HP)
GPL	G1 Parameter List
GPP	Gross Primary Productivity
	General-Purpose Processor
GPPDI	Global Primary Production Data Initiative
GPRA	Government Performance Results Act
GPROF	Goddard PROFiling algorithm for instantaneous rain retrieval
GPS	Geophysical Products System
	Global Positioning System
	Global Positioning Satellite
	Geophysical Processor System
GPSDIS	Global Positioning System Data Information System (JPL)
GPSDR	Global Positioning System Demonstration Receiver
GPSOS	Global Positioning Sensor Occultation System
GPSR	global positioning satellite receiver
GPTS	ground power test set
GQM	goal-question-metric

GR	gradient ratio
GRACE	gravity recovery and climate experiment
GRASP	Graphical and Statistical Data Analysis Package
GRD	ground
	Geo-rectified Radiance Product (MISR)
GRDC	Global Runoff Data Center
GREM	Geopotential Research Explorer Mission
GRFM	Global Rainforest Mapping Project
GRI	GroundReference Image
GRIB	gridded binary
GRID	[UNEP] Global Resource Information Data Base
GRILLE	grille spectrometer
GRIPS	Ground Systems Development Software Requirements Inspection Planning Sheet
GRIS	Global Resources Information System
GRO	Gamma Ray Observatory
GRP	Geophysical Research Program
GRT	Ground Receipt Time
G/S	ground system
GS	ground segment
	[EOS] ground system
	geological survey
GSCT	Ground System Compatibility Test
GSDE	Ground System Development Environment
GSE	ground support equipment
	government supplied equipment
GSESW	ground support equipment software
GSFC	Goddard Space Flight Center
GSI	government source inspection
	ground system integration
GSIF	Ground Station Interface Facility
	Ground Station Information Facility
GSIM	Ground System Integration Manager
GSIP	Ground System Internet Protocol Processor
	Ground Station Interface Processor
GSIWG	Ground System Integration Working Group
GSJ	Geological Survey of Japan
GSM	Global System for Mobile Communications
GSMF	GLAS Software Maintenance Facility
GSMS	Ground System Management Subsystem (ASTER)
GS&O	Ground Systems and Operations
GSS	Ground Support System
GSSM	Ground Systems Study Manager
GS&O	ground systems and operations
GSO	Global Server Object
GSOP	Ground System Operations Project
GSRD	ground system requirements document
GSRP	Graduate Student Researchers Program
GSS	generic security standard
GSTDN	ground spaceflight tracking and data network
	Goddard Space Flight Tracking and Data Network
Gt	Gigaton
G/T	gain over temperature
	Gain to Noise Temperature Ratio
GTAS	generic trending and analysis system

GTC CB	GDAAC Testbed Change Control Board
GTCE	global tropospheric chemistry experiment
GTDS	Goddard Trajectory Determination System
GTE	global tropospheric experiment
GTOPO30	Global 30 Arc-Second Elevation Data Set
GTOS	Global Terrestrial Observing System
GTS	global telecommunications system
	Ground test system
GTT	ground truth terminal
GTWAY	gateway [for Version 0 interoperability]
	Version 0 Interoperability Gateway CSCI
GUI	graphical user interface
GURP	Goddard Uncosted reduction Project
GV	ground validation data (TRMM)
	ground validation
	TRMM Ground Verification
GVaP	GEWEX Water Vapor Project
GVSC	Generic VHSIC Spaceborne Computer
GW	gateway
GWE	Global Weather Experiment
GWP	global warming potential
GWS	gateway service
GXA	Gimballed X-band Antenna

- H -

HAB	Habitation Module Shuttle/Space Station
	harmful algal blooms
HAC	Hughes Aircraft Corporation
HAD	hardware data acquisition
HAIRS	High Accuracy Inter-satellite Ranging System
HAIS	Hughes Applied Information Systems (ECS Team)
HAL	Hardware Abstraction Layer
HALE	High Altitude Long Endurance
HALOE	Halogen Occultation Experiment
HAPEX	Hydrological-Atmospheric Pilot Experiment
HAPS	hazardous air pollutant standards
HARC	Houston Advanced Research Center
HazDat	hazardous substance release/health effects database
HBK	handbook
HC	host controller
HCA	heater control assembly
HCCL	half crystal can latching 9relay)
HCD	hardware command distribution
HCDN	hydro-climatic data network
HCE	hardware configuration engineer
	heater controlled electronics
HCFC	hydrochlorofluorocarbons
HCL	Hughes class library
HCMM/AEM-1	Heat Capacity Mapping Mission/Applications Explorer Mission
HCR	HDF EOS configuration record
H&CS	harness and coax subsystem
HD	hard drive
	hard disk
	high density
HDDR	high data rate recorder
HDDT	high-density digital tapes
	high-density data tape
HDF	hierarchical data format
HDF-EOS	Hierarchical Data Format - Earth Observing System
HDLC	high level data link control
HDE	heater drive electronics
HDOS	Hughes-Danbury Optical Systems (a company)
HDQ	High-speed Data Queue
HDR	header
HDRM	hold down and release mechanism
HDRR	high data rate recorder
HDRS	hold down and release system (solar array)
HDS	horizontal display shift
HDSL	high-speed DSL
HDT	high density tape
	Harmonic Drive Technologies (a company)
HEA	Head-End Assembly
HEAO	High-Energy Astronomy Observatory
HEC	header error control
	header error check
HEDS	human exploration and development of space

HEIFE	Heihe basin Field Experiment
HEO	high earth orbit
Hex	hexadecimal
HF	high frequency
HFC	Hybrid Fiber Coax
HGA	high gain antenna (AM-1)
HgCdTe	mercury cadmium telluride
HGML	Hyper Graphics Markup Language (graphical alternative to HTML)
HH	hours, two digit format
	Horizontal, Horizontal Polarization
HHS	Department of Health and Human Services
HI	human interactions
HiFD	High-capacity Floppy Disk
HIFE	hardware interface emulator
HIMSS	High-Resolution Microwave Spectrometer Sounder (replaced by MIMR)
HIPC	Hughes Inter-Process Communications
HIPPI	high performance parallel interface
HIRDLS	High-Resolution Dynamics Limb Sounder
HIRIS	High-Resolution Imaging Spectrometer
HIRRLS	High-Resolution research Limb Sounder
HIRS	High-Resolution Infrared Sounder
HIRS/2	High Resolution Infrared Radiation Sounder Version 2
HIS	High-Resolution Interferometer Sounder
HIST	History
HIT	heavy ion telescope (TEDA)
HITC	Hughes Information Technology Company (ECS Team)
HITS	Hughes Information Technology Systems
H/K	housekeeping
HK	housekeeping
H/L	hardline
HLDC	High-Level Discrete Commands
HLE	High Level Event
HLL	high level language
HLPC	High Level Pulse Commands
HMCF	Hyperbolic Maintenance and Checkout Facility
HMD	Hardware Maintenance Depot
HMI	human machine interface
HMMP	Hyper Media Management Protocol
HMMR	High-Resolution Multifrequency Microwave Radiometer
HMMS	Hyper Media Management Schema
HMOM	Hyper Media Object Manager
HNLC	High Nutrient, Low Chlorophyll
HOL	higher order language
HOLAP	Hybrid Online Analytical Processing
HOM	hotine oblique mercator
HOSC	Huntsville Operations Support Center
HO _x	odd hydrogen family
HotJava	Sun Microsystems' Web browser, written in Java
HP	Hewlett Packard
HPC	high pulse command
	Hand-held PC
HPCC	high performance computing center
	High Performance Computing and Communications

HPCE	high power control electronics
HPDI	high speed parallel digital interface
HPF	High-Performance Fortran
HPPI	high performance parallel interface
HPOV	Hewlett Packard Open View (COTS product)
Hq	Headquarters (NASA)
HQAM	hardware quality assurance manual
HQTR	Headquarters (NASA)
HQX	BinHex (file name extension)
HR	high rate
HRC	high rate channel
HRDCW	high rate data cable way
HRDH	high-rate data handling
HRDI	High Resolution Doppler Interferometer
HRDL	high rate data link
HRDM	high-rate demultiplexer
HRFM	high-rate frame multiplexer
HRG	hemispherical resonator gyro
	High rate gyro
H/R I/F	high-rate interface
HRIS	high-resolution imaging spectrometer
HRL	Hughes Research Laboratories
HRM	high-rate multiplexer
HRMSI	high resolution multispectral stereo imager
HROI	high-resolution optical instrument
HRPT	High-Resolution Picture Transmission (AVHRR)
HRS	high rate switch
	high rate simulator
	high resolution spectrograph
	high resolution spectrometer
	heat rejection system (AIRS)
	high rate science
HRSR	High-Resolution Scanning Radiometer (NOAA)
HRTR	high-rate tape recorder
HRTTS	High Rate Telemetry Test Set
HRV	high-resolution video (SPOT)
H&S	health and safety
HS	high-speed
HSB	Humidity Sounder – Brazil (a derivative of AMSU-B, replacing MHS)
HSC	high-speed channel
HSCT	High-Speed Civil Transport
HSIM	High-Speed Interface Module
HSKPG	housekeeping
HSM	hierarchical storage management
HSMT	helical scan magnetic tape (videotape)
HSRP	High Speed Research Program
HSS	high speed serial
HSSI	High-Speed Serial Interface
HST	Hubble Space Telescope
HSTF	high-speed telemetry formatter
HSTRA	High-Speed Token Ring Alliance
HSTX	Hughes Science Technology Excellence (now RSTX)
HTF	Humid Tropical Forest
HTI	Hughes Training Inc. (now RTI)

HTML	hypertext markup language
HTPB	hydroxyl-terminated polybutadiene
HTR	Heater
HTS	high-rate test system
HTSC	Hughes Technical Services Company (ECS Team)
http	hypertext transfer protocol (used to link and transfer hypertext (HTML) documents)
HUBEX	Huaihe Basin Experiment
HVAC	heating, ventilation and air conditioning
	high voltage alternating current
H/W	hardware
HW	hardware
HWCI	hardware configuration item
HWI	Hardware Interface
HWM	high water mark
HX	heat exchanger
HyTime	Hypermedia/Time-based Structuring language (not W3C)
Hz	hertz

- I -

I	in-phase channel
	inadequate
I&A	identification and authentication
I&AT	integration and acceptance test
I&C	installation and checkout
I&T	integration and test
I&TT	integration and test team
I/F	interface
I/O	input/output
IT&V	Integration Test and Verification
I ² V ²	independent integration, verification, and validation
IV&V	Independent, Verification and Validation
IA	interagency agreement
	interface adapter
	Implementation Agreement
IAB	Internet Architecture Board
IABP	International Arctic Buoy Program
IAC	Instrument Alignment Cube
IACO	integration assembly and checkout
IAD	interface agreement document
IADB	interface analysis database
IADL	instrument activity deviation list
IAE	Instrument Accommodation Engineer
IAI	Inter-American Institute
IAL	instrument activity list
IALE	individual annual loss expectancy
IAM	Interface Adapter Module
IAMOK	I Am OK (a computer bit associated with CTC to TIE Processor Watch Dog Timer)
IAMS	integrated assessment models
IANA	Internet Assigned Numbers Authority
IAR	Independent Architecture Review
	Internal Audit Report
	independent annual review
IARC	International Arctic Research Center
IAS	image assessment system
	instrument activity specification
	inventory archive system
	instrument analog slice (for non-GRID accommodation)
IASI	infrared atmospheric sounding interferometer
IASS	instrument analysis support subsystem
IATO	Independent Acceptance Test Organization
IAU	International Astronomical Union
IAVCEI	International Association of Volcanology and Chemistry of the Earth's Interior
IAW	in accordance with
IBM	International Business Machines
IBP	International Biomed Program
IBR	Internal Baseline Review
IBS	Integrated Biosphere Simulator
IC	Internal Calibration
	Integrated Circuit
ICA	interface control agreement

ICAI	interactive computer-aided instruction
ICAS	interactive CCR automation system
ICC	Instrument Control Center (ECS) (ASTER) Integrated Circuit Card
ICCCM	Inter-Client Communication Conventions Manual (X Window System)
ICD	interface control document interface control drawing
ICDR	Instrument Critical Design Review
ICE	international cometary explorer individual cost evaluation In-Circuit Emulator Inductosyn Electronics (HSB) instrument contingency exercise
ICESat-1	Ice, Cloud, and Land Elevation Satellite
ICF	instrument control facility (ECS) International Cryptography Network
ICI	inter carrier interface
ICL	ingest client Interactive Command Language
ICLHW	ingest client hardware [configuration item]
ICM	Increment Change Manager Internal Calibration Module
IC MON	interconnect monitor
ICMP	Internet control message protocol Internet control management protocol Internet control messaging protocol
ICN	international communications network
ICO	Initial Check-Out Integration and Checkout Installation and Checkout
ICOS	Instrument Control Operations Subsystem
ICP	Internet Caching Protocol
ICR	initial cell rate internal change request
ICRCCM	Intercomparison of Radiative codes for Climate Models
ICS	Interoperable Catalogue System Interpretive Computer Simulator Integrated Console Script
ICSU	International Council of Scientific Unions
ICT	Interface Confidence Test Instrument Confidence Test
ICWG	Interface Control Working Group International Coordination Working Group
ID	identification identifier inside diameter instrument delivery
IDAF	IGAC DEBITS (Africa Project)
IDB	instrument database Interim Database
IDD	instrument description document instrument definition document interface definition document interface design document

IDE	interactive development environment
IDEA	International Data Encryption Algorithm
IDEN	Integrated Dispatch Enhanced Network
IDG	Infrastructure Development Group
	Infrastructure Data Group
IDIMS	Interactive Data Integration and Management System
IDIQ	Indefinite Delivery, Indefinite Quantity
IDL	interface definition language
	interactive data language
IDM	ion drift meter
IDPGF	Institutional Data Products Generation Facility
IDPS	image data processing subsystem
IDR	Internal Design Review
	Incremental Design review
IDS	inter-disciplinary science
	infrastructure and development support
ISDL	ISDN Digital Subscriber Line
IE	information element
	Internet Explorer (Microsoft)
IEC	International Electrotechnical Commission
IED	infrastructure engineering division
IEEE	Institute of Electrical and Electronics Engineers
IEEE-CS	Institute of Electrical and Electronics Engineering – Computer Science
IEF	inventory exchange format
IEH-2	International Extreme Ultraviolet Hitchhiker – 2
IEL	Institute of Electrical Engineers Electronic Library
IELV	intermediate expendable launch vehicle
IEOS	International Earth Observing System
IEP	integrated execution plan
IERS	International Earth Rotation Service
IET	interactive evaluation tool
	instrument engineering team
IETF	Internet Engineering Task Force
IF	intermediate frequency
	interface
IFB	invitation for bids
IFC	Intensive Field Campaign
IFDR	Instrument Final Delivery Review
IFJ	In-flight jumper
IFL	Interfacility Link
IFMP	Integrated Financial Management Project
IFO	intensive field observation
IFOU	Instrument Flight Operations Understanding
IFOV	instantaneous field of view
IFPRR	Instrument Flight Production Readiness Review
IFREMER	Institu Francais de Recherche Poor l’Exploration de la Mer
IFWG	Interface Working Group
IGAC	International Global Atmospheric Chemistry
IGAP	International global Aerosol Program
IGBP	International Geosphere-Biosphere Program
IGBP-DIS	International Geosphere-Biosphere Program Data and Information System
IGCRP	International Global Change Research Program
IGDR	Interim Geophysical Data Record (JPL)
IGE	international ground experiment

IGES	initial graphics exchange specification
IGMP	Institute for Global Environmental Strategies Internet Group Management Protocol
IGN	Internet Group Multicast Protocol
IGO	International Geodetic Network
IGOS	Intergovernmental Science Organization
IGP	integrated global observing strategy
IGPB	Interior Gateway Protocol
IGPPDI	International Geosphere and Biosphere Research Program (uses ADEOS data)
IGR	Global Primary Production Data initiative
IGS	instantaneous geographic region international ground station inertial guidance system ICESat Ground System
IGSE	instrument ground support equipment
IGTWY	External Communications Gateway
IH	internet HUB
IHCI	internetworking hardware configuration item
IHP	International Hydrological Program
II	interdisciplinary investigator
IIAS	Interactive Image Analysis System (ASF)
IICF	interdisciplinary investigator computing facility
IICS	international interoperability catalog systems
IID	instrument interface document independent and identically distributed
IIDM	ion drift meter
IIF	Infrastructure InterFace
IIOF	Internet Inter-ORB Protocol (CORBA message protocol used on a TCP/IP network)
IIP	Instrument Incubator Program
IIR	Instrument Interface Review International Instrument Review integrated information repository
IIRD	Instrumentors Interface requirements Document
IIRV	Improved Inter-range Vector
IIS	Inter-Disciplinary Investigators
IIVV	Independent Integration, Verification and Validation
IIWG	Interdisciplinary Investigator Working Group
ILAS	improved limb atmospheric spectrometer
ILAS-II	Improved Limb Atmospheric Spectrometer II (ADEOS)
ILC	International Latex Corporation (Dover, DE)
ILEC	Incumbent Local Exchange Carrier
ILG	Infrastructure Library Group
ILM	inventory, logistics, and maintenance manager inventory, logistics, maintenance
ILMI	interim link management interface interim local management interface
ILN	intermediate logic network
ILP	integrated logistics plan
ILS	integrated logistics support
ILSMT	ILS management team
ILSO	ILS Office
ILSP	ILS plan
ILSPM	ILS Program Manager

ILSS	ILS system
ILSWD	integrated logistics support working database
IMA	Integrated Microwave Assembly
IMAGE	Imager for Magnetopause to Aurora Global Exploration
IMAP	Internet Message Access Protocol
IMARPE	Instituto del Mar de Peru
IMAS	Integrated Multispectral Atmospheric Sounder
IMB	investigator of micro-biosphere
IMC	intermodule connector
IMF	integrated metastorage facility
IMG	interferometric monitor
	Interferometric Monitor for Greenhouse Gases
IMHO	In My Humble Opinion (used in email)
IMOC	International Missions Operations Center
IMOK	I Am OK (a computer bit uniquely associated with MODIS operations)
IMP	implementation
	instrument mounting plate
	Imager for Mars Pathfinder
IMS	Information Management System (obsolete ECS element name)
	information management service
	information management subsystem
IMSL	International Mathematical and Statistical Libraries
IMT	Integrated Mission Timeline
IMU	inertial measurement unit
INCI	internetworking configuration item
INCR	internal non-conformance report
INDOEX	Indian Ocean Experiment
INFEO	Information about Earth Observation
info	information
INFR	Infrastructure (subsystem)
INGST	ingest services
	ingest subsystem
	ingest services CI
INHCI	internetworking hardware configuration item
In-lbs	inch pounds
INMS	Ion and Neutral Mass Spectrometer
INN	InterNet News
Inode	index node
INORAC	Inquiry, Order, and Accounting System (EDC)
INPA	Instituto Nacional de Pesquisas da Amazonia (Brazil)
INPE	Instituto Nacional de Pesquisas Espaciais (National Institute for Space Research of the Brazilian Ministry of Science and Technology)
INRA	Institu National de Recherche Agronomiques (France)
INS	Ingest Subsystem (SDPS)
INSA	Institu National des Sciences Appliquees (France)
INSP	inspection
INST	instrument
INSTR	instrument
Intelsat	International Telecommunications Satellite
INT8	8-bit integer type
INT16	16-bit integer type
IOC	inception of contract
	initial operational capability
	Intergovernmental Oceanographic Commission

	in-orbit checkout
	interoffice correspondence
	Instrument Operation Center
IOCS	I/O Controller Slice
IOD	internal operational demonstration
	initial operational demonstration
IODB	Instrument Operational Database
IOE	Instrument Operations Exercise
IONET	IP operational network
IOP	Intensive Observing Period
IOS	interoperability subsystem
	inventory and order system (JPL)
IOSDL	Institute of Oceanographic Sciences Deacon Laboratory
IOST	instrument operational support terminal
IOT	Instrument Operations Team
IOWG	Instrument Operations Working Group
IP	installation plan
	international partner
	Internet Protocol
IPA	inter-project agreement
	instrument platform assembly
IPAIDS	integrated payload articulation and identification system
IPB	In Plane Bending
IPC	instrument processing center
	inter-process communication
IPCC	Intergovernmental Panel on Climate Change
IPD	Information Processing Division (GSFC)
IPDC	international partner data center
IPDP	Integrated Product Development Process (Raytheon Process)
IPDR	Instrument Preliminary Design Review
IPDS	Integrated Product Development System (Raytheon Process)
IPDT	Integrated product Development Team
IPDU	internet protocol data unit
IPEA	Internet protocol encapsulated addressing
IPEI	Ionospheric Plasma and Electrodynamics Instrument
IPF	international partner facility
	integrated processing facility
	integrated payload facility
IPG	Instrument Planning Group
IPGE	international partners ground equipment
IPGS	international partner ground system
IPI	international partner interface
	intelligent peripheral interface
IPICC	International Partners-Instrument Control Center
IPL	Ion Plated Lead
IPM	internal propulsion module
IPMOC	International Partners-Mission Operations Center
IPng	Internet protocol, next generation
IPO	Integrated Program Office (of NPOESS)
IPOC	International Partner Operations Center
IPOMS	International Polar Orbiting Meteorological Satellite Committee
IPPD	Integrated Product Process Development (Raytheon Process)
IPPF	international partner platform
IPO	Integrated Program Office

IPS	integrated propulsion system
IPT	Integrated Product Team
IPTH	inter panel Transfer harness
IPX	internetwork packet exchange
IPX/SPX	Internetwork Packet Exchange/Sequenced Packet Exchange
IQ	Intelligent Query
	IQ Access
Ir1	interim release 1 (use Ir-1 for EDHS search)
IR	infrared
	interim release
IRC	Internet Relay Chat
IRCD	interface requirements control document
IR&D	independent research and development
IRAD	Independent Research and Development
IRD	interface requirements document
IRE	Institute for Radio-engineering and Electronics
	Instrument Readiness Exercise
IRE-RAS	Institute of Radio Engineering - Russian Academy of Science
IRI	International Research Institute
IRIG	inter-range instrumentation group
IRIS	Italian Research Interim Stage
IRM	information resources management
IRN	interface revision notice
IRP	instrument resource profile
IRR	Integrated Requirements Review
	Imaging Infrared Radiometer
	Incremental Release Review
IR-RAD	infrared radiometer
IRRR	Interim Release Readiness Review
IRIS	Incorporated Research Institutions for Seismology
IRIX	operating system name for the SGI. IRIX 6.2 is the current baseline version for the Pre-Release B Testbed
IR-RAD	infrared radiometer
IRS	Information Retrieval Service (ESA)
	interface requirements specification
	India resource Satellite
IRT	infrared thermal
IRTS	infrared temperature sounder
IRU	inertial reference unit
IRV	improved inter-range vector message
IS	ingest subsystem
	Intermediate Schedule
	information system
	integrated simulations
	instrument support
ISA	Industry Standard Architecture
	Integrated Services Architecture
ISAKMP	Internet Secure Association Key Management Protocol
IS-IS	intermediate system to intermediate system
ISAM	Indexed Sequential Access Method
ISAMS	Improved Stratospheric and Mesospheric Sounder
ISAPI	Internet Server API
ISAR	instrument support activity request
ISAS	Institute of Space and Astronautical Science (Japan)

ISATS	Integrated Spacecraft Automated Test System
ISBN	International Standard Book Number
ISC	Information Systems Center Instrument Support Controller/Current-Short Circuit (Isc) Instrument Support Controller
ISCAT	Investigation of Sulfur Chemistry in the Antarctic Troposphere
ISCCP	International Satellite Cloud Climatology Project
ISDN	integrated services digital network integrated systems digital network
ISDS	inadvertent separation destruct system
ISF	Instrument Support Facility
ISH	Information Super Highway
ISEE	international sun/earth explorer
ISI	inter-disciplinary science investigation interim support instruction Integral Systems Incorporated
ISIM	Instrument Simulator
ISIO	Instrument Serial I/O (an electronic slice)
ISIPS	ICESat Science Investigator Processing System
ISIR	infrared spectral imaging radiometer
ISIS	inflatable sunshield in space Integrated Systems Kit for the Macintosh
ISLE	individual single loss expectancy
ISLSCP	International Satellite Land Surface Climatology Project
ISM	instrument systems manager Internet Service manager (Microsoft)
ISN	intersegment network
ISO	International Standards Organization
ISOC	Integrated Science Operations Center Internet Society
ISOLAN	isolated local area network
IOS+	IsoCELL (isolation cell)
ISP	integrated support plan integerized sinusoidal projection Internet Service Provider
ISPF	interactive system productivity facility
ISQL	interactive SQL
ISR	individual schedule request input schedule request Instrument Support Room
ISRC	Current Source
ISS	internetworking subsystem (CSMS) Internet Scanner SAFEsuite
ISSA	International Space Station Alpha
ISSN	International Standard Serial Number
IST	Instrument Support Toolkit instrument support terminal (ECS) integrated system test
ISTOK-1	Infrared Spectroradiometer on Mir
ISTP	International Solar and Terrestrial Physics
ISTS	Institute for Space and Terrestrial Science
IST-US	Instrument Support Terminal - United States (at JPL)
ISU	intermediate storage unit
ISY	International Space Year (1992)

IT	Instrument Team intelligent terminal integer data type (16 bit) information technology
ITCZ	intertropical convergence zone
I-Team	Integration Team
ITG	Internet Telephony Gateway
ITIR	Intermediate Thermal Infrared Radiometer
IT&L	Integration Test and Launch
I&TM	integration and test manager
ITMM	Integrated Thermal Math Model
ITO	independent test organization Indium Tin Oxide Information Technology Outsourcing
ITP	Interface Test Program
ITR	Information Technology Resources
ITS	Intelligent Terminal Segment (NCC)
ITSD	Information Technology and Services Division
ITSEC	Information Technology Security Evaluation and Certification
ITSO	Information Technology Security Officer
ITT	integration test team
ITTP	International TOVS Processing Package
IT&V	integration, test, and verification
ITV	integration, test, and verification Interactive Television
ITVF	Integrated Test and Verification Facility
IU	interface unit
IUS	inertial upper stage informix universal server
IVIS	Interactive Video Information System
IVS	Interactive Videodisk System
IV&V	independent verification and validation
IVVF	Independent Verification and Validation Facility
IWC	ice water content
IWG	Investigator Working Group
IWGDMGC	Investigators Working Group on Data Management for Global Change
IWP	ice water path
IXC	Interexchange Carrier

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- J -

IAE	Java Application Environment
JANET	Joint Academic Network
JAROS	Japan Resources Observation System [Organization]
Java	Object-oriented programming language, frequently used for WWW applications (e.g., Applets [developed by Sun Microsystems, Inc.]
JCET	Joint Center for Earth Systems Technology
JCL	job control language
JD	Julian Day
	Julian Date
JDBC	Java Database Connectivity
JDK	Java Development Kit
JDNI	Java Naming and Directory Interface
JDT	Java DAR Tool
JEA	Japan Environmental Agency
JEM	Japanese Experiment Module
JEOC	Japanese Earth Observing Center
JEOS	Japanese Earth Observing System
JERS	Japanese Earth Resources Satellite
JERS-OPS	Japanese Earth Remote-Sensing Satellite-Ops
JEST	Java Earth Science Tool
	Java Earth Search Tool
JEXAM	Japanese Experiment of Asian Monsoon
JFC	Java Foundation Classes
JGI	Japex Geoscience Institute
JGOFS	Joint Global Ocean Flux Study
JICC	Japanese Instrument Control Center
JIDL	Java Interface Definition Language
JIL	job information language
JIPS	JANET Internet Protocol Service
JIT	just in time
JJK,SR,TT	Command Symbol Mnemonics for TAXI Interface (See GIRD)
JMA	Japan Meteorological Association
JMR	Jason Microwave Imager
JNC	jet navigational charts
JNDI	Java Naming and Directory Interface
JODC	Japan Ocean Data Center
JORNEX	Jornada Experiment
JOST	Joint OMI Science Team
JPEG	Joint Photographic Experts Group
JPIP	Joint Project Implementation Plan
JPL	Jet Propulsion Laboratory (DAAC)
JPLAIRSAR	JPL Airborne Synthetic Aperture Radar
JPO	Joint Planning Office
JPOCC	Japanese Payload Operations Control Center
JPOP	Japanese Polar Orbiting Platform
JRC	Joint Research Center (Italy)
	Joint Research Council
JRE	Java Runtime Environment
JRMI	Java Remote Method Invocation
JRMP	Java Remote Method Protocol
JSC	Johnson Space Center

Jscript	Joint Scientific Committee
JSDAC	Scripting Language by Microsoft (derived from JavaScript)
JSDIS	Japanese Science Data Analysis Center
JSOCC	Japanese Science Data and Information System
JTA	Japanese Science Operations Control Center
JTM	Java Transaction API
JTS	job transfer and manipulation
JVM	Java Transaction Service
	Java Virtual Machine

- K -

K	kelvin
KB	kilobyte (10^3)
Kb	kilobit (10^3)
KBps	kilobytes per second
Kbps	kilobits per second
Kb/s	kilobits/second
KB/SEC	kilobyte per second
KDAU	ku-band decryption authentication unit
Kerberos	security protocol developed by MIT; base for DCE security
keV	kilo-electron volts
KFTP	Kerberos file transfer protocol
kg	kilogram
kg-m ²	kilogram-meter Squared
KHB	Kennedy Space Center handbook
kHz	kilohertz
KIIT	key interfaces integration and test
KINEROS	Kinematic Wave overland flow, channel routing and Erosion model
KIP	Key Inspection Point
KLOC	kilolines (10^3) of code
km	kilometer
KM	kinematic mount
	key mechanism
KMI	Kennedy Management Instruction
KOMPSAT	KOrea Multipurpose SATellite
KONS	(SPS file)
KORMEX	Korean Monsoon Experiment
KPA	Key Process Area (part of CMM)
KRM	Key Recovery management
KSA	Ku-band single access
KSAF	K-band single access forward (service)
KSAM	Ku Band Single Access Modulator
KSAR	K-band single access return (service)
KSC	Kennedy Space Center
KSLOC	thousand source lines of code
ktelnet	kerberos telnet
KUJ	Kumomoto, Japan station id
kVA	kilo-volt ampere
kW	kilowatt
KWord	kilowords of memory (1kword = 2 ¹⁰ words)

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- L -

L-	Launch Minus
L+	Launch Plus
L-7	Landsat-7
L0	Level 0
L0-L4	Level 0 (zero) through Level 4
L0R	Level 0 release
	Level 0 Reformatted
	Landsat Reformatted Data
L1	Level One (processing)
L1G	Level 1G data product
	Level 1 geometrically corrected
L1R	Level 1R data product
	Level 1 radiometrically corrected
L1R/G	Level 1R and Level 1G data products
L4	Level 4
L&A	launch and activation
	Launch and Ascent
LA	laser altimeter
	Launch of EOS AM-1 payload
LAC	Local Area Coverage (AVHRR)
LaDAAC	Langley Distributed Active Archive Center
LAGEOS	Laser Geodynamics Satellite
LAI	leaf area index
LALT	laser altimetry
LAM	laser altimetry mission
LAN	local area network
Landsat	Land Remote-Sensing Satellite
LANE	local area network emulation
LANL	Los Alamos National Laboratory
LaRC	Langley Research Center (DAAC)
LaRCNET	Langley Research center network
LAS	land analysis system
LASA	Laser Atmospheric Sounder and Altimeter
	Lider Atmospheric Sounder and Altimeter
LASAL	large aperture scanning airborne lidar
LASE	lidar atmosphere sensing experiment
laser	light amplification by stimulated emission of radiation
LASP	Laboratory for Atmospheres and Space Physics (University of Colorado)
	Laboratory for Atmospheric Studies Project
LAT	latitude
LATA	local access and transport area
LATI	Landsat Advanced Technology Instrument
LaTIS	Langley TRMM Information System
LAWS	Laser Atmospheric Wind Sounder
lb	pound
LB	laboratory set up or equipment
LBA	Large Scale Biosphere-Atmosphere Experiment in Amazonia
lb-m	pound-meters
LBX	low bandwidth X
LC	launch complex
	LED Calibration

LCC	life cycle cost launch control center Lambert Conformal Conic
LCD	Liquid Crystal Display
LCFS-PR	last come, first served with preemptive resume
LCN	logistics control number
LCP	left circular polarized
LCU	Library Control Unit
LDAAC	Langley DAAC
LDAP	Lightweight Directory Access Protocol
LDAS	local data access system
LDB	long duration balloon
LDBP	Long Duration Balloon Program
LDEF	Long Duration Exposure Facility
LDEO	Lamont-Doherty Earth Observatory (Columbia University)
LDM	Load Module
LDOPE	Land Data Operational Product Evaluation
LDOS	Landsat Data and Operations System
LDS	Level Discrete Set
LDTs	LPS data transfer subsystem
LEA	Log Export API
LE_ARP	local area network emulation address resolution protocol
LEC	local exchange carrier LAN Emulation Client
LECS	local area network emulation configuration server
LED	low energy detector Light Emitting Diode
LEFI	local electric field instrument
LEL	lower explosive limit
LEM	lower equipment module
L&EO	Launch and Early Orbit Launch and Early Operations Launch and Evaluation Operation
LEO	low earth orbit
L&EOOMP	Launch and Early Orbit Operations Management Plan
LEOP	Launch and Early Orbit Operations
LeRC	Lewis Research Center
LERTS	Laboratoire d'Etudes et de Recherches en Tele Detection
LES	local area network emulation server
LET	Linear Energy Transfer
LF	long floating point data type (64 bit)
LFB	Landover Facilities Board (Raytheon)
LFC	large format camera
LFM	Local Fault manager
LFS	Local File System
LG	load generation
LGA	low gain antenna
LGN	Landsat Ground Network
LGS	landsat ground system
LHC	left-hand circular
LHCP	left hand circular (ly) polarized
LHH	L-Band HH
LHP	Loop Heat Pipe
LHS	left hand side

LI	local interface
	long integer data type (32 bit)
LIBI/O	library input/output
LID	last(est) instrument delivery
LIDAR	light detection and ranging instrument
LIDQA	landsat image data quality and analysis
LIGHTSAR	Lightweight Synthetic Aperture Radar
LIM	local information manager
LIMGR	local information manager
LIMGT	Local Information Manager CSCI
LIMS	Limb Infrared Monitor of the Stratosphere
LINPAC	Linpack (Linear Algebra package)
LIRIS	Loaral Infrared Imaging Systems
LIS	Lightning Imaging Sensor
	logistics information system
LISN	line impedance stabilization network
LISP	LISt Processing (computer programming language)
LISS	linear/imaging self scanner sensor
LITE	lidar in-space technology experiment
LL	lower left
	Lowest level
LLC	logical link control
LLC/SNAP	logical link control/subnetwork access protocol
LLF	Limit Load Factors
LLI	Limited Life Item
LLIS	Lessons Learned Information System
LLNL	Lawrence Livermore National Laboratory
LLV-3	Lockheed Launch Vehicle 3
LMAS	Lockheed Martin Astro Space
LMC	local maintenance y
	local maintenance coordinator
	length modulation cell
LMCS	Local Multipoint Communications Services
LMD	Laboratoire de Meteorologie Dynamique
LMD/ARA	Laboratoire de Meteorologie Dynamique/Atmospheric Radiation Analysis Group
LMDS	Local Multipoint Distribution Services
LMI	lower equipment module interface unit
LMIRIS	Lockheed Martin infrared & Imaging Systems (formerly LIRIS)
LMMS	Lockheed Martin Missiles and Space Systems
LMP	Launch Management Plan
LMS	logistics management support
	logistics management system
LNA	low-noise amplifier
LO ₂	liquid oxygen
LO	local oscillator
LOA	letter of agreement
LOB	launch operations building
	line of balance
LOC	lines of code
	loss of cell delineation
LOCC	Launch Operations Control Center
LOC/mm	lines of code per man month

LOE	level of effort
LOG	Logarithm
LOGSWG	Landsat Operations Ground Segment Working Group
LOM	Logical Object Model
LOICZ	Land Ocean Interactions in the Coastal Zone
LOL	low order language
LON	longitude
LORA	level of repair analysis
LORE	Limb Ozone Retrieval Experiment
Loral	Loral Aerosys (ECS Team)
LOS	line of sight
	loss of signal
LOWTRAN	USAF-GRL Atmosphere Radioactive transfer Model
LP	langmuir probe
	Lunar Prospector
LPC	load power conditioner
LPCE	Low Power Control electronics (or just PCE)
LPDAAC	Land Processes Distributed Active Archive Center
LPF	low pass filter
LPGS	Landsat Product Generation System (Level 1 Product Generation System for Landsat 7)
LPM	landsat program management
LPO	Landsat Project Office
LPS	Landsat 7 Processing System
LPT	limited performance test
L-R	low rate
LR	laser retroreflector
	low rate
	lower right
LRA	laser retroreflector array
LRAT	Launch Readiness Acceptance Test
LRC	low rate channel
	Langley Research Center
LRD	launch readiness date
LRDPS	low rate data processing system
LRE	latest revised estimate
LRIR	limb radiance inversion radiometer
LRM	low rate multiplexer
LRPT	low-resolution picture transmission
LRR	launch readiness review
LRRD	Low-Rate Real-time Data
LRRL	Low Rate Return Link
LRS	low-rate system
	low-rate science
LRSP	Low Rate Service Processor
LRU	line replaceable unit
	lowest replaceable unit
LRV	Last Recorded Value
LS	Lower-Stratosphere
LSA	logistics support analysis
LSAR	logistics support analysis record
LSB	launch services building
	least significant bit
LSC	line sync code

LSD	launch status display logistics support depoy least significant digit
LSE	launch site equipment land-surface emissivity language-sensitive editor launch support equipment
LSH	least significant half
LSM	local system management LAWS system model local system manager Land-Surface Model
LSIO	low speed serial input/output
LSO	logistics support office
LSP	Land-Surface Parameterizations
LSPIM	Land Surface Processes Mission Land Surface Processes and Interactions Mission
LSR	launch support room
LSRR	location server/request router
LSSM	Launch Site Support Manager
LSSP	Launch Services Support Plan
LST	land surface temperature
LSW	least significant word
L/T	long term
LTA	long term agreement long term archive
LTAS	Launch Trajectory Ascent System
LTER	long-term ecological research
LTIP	long-term instrument plan
LTM	Log Transfer Managers
LTOP	long-term operating plan
LTP	long term plan
LTSP	long-term science plan
LTSOP	long-term spacecraft ops plan
LTWG	Landsat Technical Working Group
LUCF	Land Use Change Forestry
LUT	lookup table
LV	launch vehicle launch version
LVA	local vertical acquisition
LVDC	Launch Vehicle Data Center
LVDT	linear variable differential transducer
LVI	launch vehicl interface
LVLH	local vertical-local horizontal
LVO	label value object
LVS	launch vehicle system launch vehicle simulator
LW	long wave
LWC	liquid water content
LWIR	long-wave infrared
LWM	low water mark
LWP	liquid water path
LZ77	Lempel-Ziv coding
LZAARDS	Level Zero Archive and Retrievable Data System

LZDP	Level Zero Data Processing
LZP	Level Zero Processing
LZPF	Level Zero Processing Facility
LZPS	Level Zero Processing System
LZW	Lempel-Ziv-Welch compression algorithm

- M -

m	meter
M	Million, mega (prefix)
M1	the TRW facility for EOS PM-1 environmental testing
M&D	micrometeoroid and space debris
M&DOD	Mission and Data Operations Directorate
M&IE	Meals & Incidental Expenses
M&O	maintenance and operations
	management and operations
M&P	materials nad processes
M&SS	mission and simulation software
mA	milli-amper
MA	multiple access
MAAT	Mean Annual Air Temperatures
MAB	man and the biosphere
	Mission Applications Branch
MAC	medium access control
	message authentication code
	multi-aircraft campaign
	multi-sensor air campaign
	media access control
MACAO	Member Agency Control Authority Office
MACAWS	Multiagency Airborne Coherent Atmospheric Wind Soundier
MACI	management agent configuration item
	management agent software CI
MACS	management and control subsystem
MAE	metropolitan area exchange
MAESA	Measurements for Assessing the Effects of Stratospheric Aircraft
MAF	multiple access forward
MAFB	McGuire Air Force Base
MAG	magnetospheric currents and fields detector
MAGE	mechanical aerospace ground equipment
MAGS	Mackenzie GEWEX Study
MAGSAT	magnetometer satellite
MAHLOVS	middle and high latitudes oceanic variability study
MAHRSI	Middle Atmosphere High Resolution Spectrograph Investigation
MAINT	maintenance
MAIT	Manufacturing, Assembly, Integration and Test
MAM	Mirror Attenuator Mosaic
MAN	metropolitan area network
MAOS	Multiapplication Operating System
MAP	multiplexer access point
	Microwave Anisotropy Probe
MAPI	Messaging API
MAPS	measurement of air pollution from satellites
	millions of actions per second
MAR	multiple access return
	Mission Analysis Room
MARC	machine readable cataloging
MAS	Millimeter-wave Atmospheric Sounder
	MODIS airborne simulator
MASEX	Mass Air Sea Transfer Experiment

MASTER	MODIS/ASTER Airborne Simulator
MAT	Mission Analysis Tool
	MOPITT Activation Timeline
MATCALS	Marine's Air Traffic Control and Landing System
MATHML	Mathematical Markup Language (based on XML syntax, W3C)
MATR	MOPITT Airborne Test Radiometer
MATRA	Matra Marconi Space (name of a French electronics company)
MAW	minor assist work
MAWP	Maximum Actual working Pressure
max	maximum
M/B	make or buy
MB	megabyte (10^6)
Mb	megabit (10^6)
Mbit/s	megabits per second
MBLA	Multi-Beam laser Altimeter
MBONE	multicast backbone
MBps	million of bytes per second
Mbps	million of bits per second
Mbyte	megabyte
MC	master clock
	mission controller
	mechanism controller
	memory controller
	minor cycle (125 ms)
MCC	mission control center
MCE	Miniature Embedded Converter
MCF	metadata configuration file
	metadata control file
	Meta Content Framework (data model for metadata)
MCI	management software CI
McIDAS	Man-Computer Interactive Data Access System
MCNS	Multimedia Cable Network System
MCP	meteorological communications package
	master clock period
MCR	mission control room
	minimum cell rate
MCS	multicast service
	monitor and control subsystem
	mesoscale convective systems
MCSST	multi-channel sea surface temperature
MCST	MODIS Characterization Support Team
MCT	Monitoring and Control Tools
MD5	A message-digest algorithm developed by RSA Data Security, Inc. It is meant for digital signature applications where a large message has to be "compressed" in a secure manner before being signed with the private key.
MD	master directory
	maintainability demonstration
	mass dummy
	Message Digest
MDA	management data access
	mechanisms drive assembly
MDBMS	Multidimensional DBMS
MDBS	Mobile Database Station

MDD	Mission Description Document
MDE	motor drive electronics (HSB)
MDF	Memory Dump Flag
MDI	mechanical design integration
MDIS	Metadata Interchange Specification
MDM	multiplexer/demultiplexer
MDP	multiplexing data processor (high rate)
MDR	Mission Design Review
MDSDS	mass data storage and delivery system
MDT	mean downtime
MDU	missing data unit
MDUE	missing data unit entry
MDUL	missing data unit list
MDW	metadata works
ME	message error
MEA	Main Electronics Assembly
MEBS	MODIS Emergency backup System
MEC	miniature embedded converter
MECB	Manufacturers Evaluation and Control Board
MECO	main engine cut off
med	medium
MEL	MultOS Executable Language
MELCO	Mitsubishi Electronic Co.
MELV	medium expendable launch vehicle
MEM	memory management
	main electronics module (MODIS)
MEO	Middle Earth Orbit (satellite)
MEOP	maximum expected operating pressure
MEPA	medium energy particle analyzer
MEPED	medium energy proton and electron detector
MERIS	Medium-Resolution Imaging Spectrometer (ESA)
MES	Main Engine Start
MESSR	multispectrum electronic self-scanning radiometer
MET	metadata
	Mission Elapsed Time
Metadata	data about data
	machine-understandable information about data
METEOR 3M-1	Russian Operational Weather Satellite
METEOSAT	Geosynchronous Meteorology Satellite (ESA)
METOP	Meteorological Operational Weather Satellite
METRI	Meteorological Research Institute (Korea)
METSAT	meteorological satellite
METSOAT	European Weather Satellite
MEVDP	modified element volume dose program
MF	mainframe
MFC	Microsoft Foundation Class
MFD	Master File Directory
MFE	magnetic field explorer
MFLO	millions of floating point instructions
MFLOP	million floating point operations per second
MFLOPS	mega (millions of) floating-point operations (10^6) per second
MFOP	major facilities operations plan
MFPS	major frame processing system

MFR	Multilink Frame Relay
MG1	management one
mg	milligram
MGA	medium gain antenna
MGDR	merged geophysical data record
mgmt	management
MGS	Mars Global Surveyor
	McMurdo Ground Station, Antarctica
MGSE	mechanical ground support equipment
MGT	management
MH	message handler
MHCI	management hardware CI
MHS	Microwave Humidity Sounder
MHW	mean high water
MHWCI	management hardware configuration item
MHz	megahertz
MI	master index
MIB	management information base
MIC	Media Interface Connector
	Memory Interface Controller
MICD	Interface Control Drawing, Mechanical
MID	mechanical interface drawing
MIDAS	Mobile agents for Intelligent Data Acquisition Systems
MIDI	Musical Instrument Digital Interface
MIDL	Microsoft interface Definition language
MIE	master interface electronics
MIE-E	MIE-enhanced or MIE-EOS
MIF	Management Information Format
MIL	military
	MIL standard electronics
	Merritt Island (ground network) Station
MILA	Merritt Island Launch Area
MIL-HDBK	military handbook
MILSTAR	military strategic and tactical relay
MIL-STD	military standard
MIMD	multiple instructions, multiple data
MIME	multipurpose internet mail extension
MIMR	Multifrequency Imaging Microwave Radiometer
min	minute
	minimum
MIO	multiple input-output
MIP	mission implementation plan
	mandatory inspection point
MIPAS	Michelson Interferometric Passive Atmospheric Sounding (ESA)
MIPR	multi-interagency procurement request
MIPS	mega (millions of) instructions (10^6) per second
MIRAS	Mir Infrared Atmospheric Sounder
MIRIAM/DOPI	Mir Infrared Atmospheric Measurements/Double Pendulum Interferometer
MIRR	material inspection and receiving report
MIS	management information system
MISR	Multi-Angle Imaging Spectro-Radiometer
MIT	Massachusetts Institute of Technology
	MOC Implementation Team

MITC	MO&DSD interface capability
MITC/EITC	MO&DSD Interface Capability/EGS Interface Test Capability
MITI	Ministry of International Trade and Industry (Japan)
MIZEX	marginal ice zone experiment
ML	memory load
MLA	multispectral linear array
MLCI	management logistics configuration item
	management logistics software CI
MLE	Maximum Likelihood Estimation
MLELV	medium-lite expendable launch vehicle
MLI	multi-layer insulation
	machine language instruction
MLM	mid-level manager
MLR	Multilinear Recording
MLS	Microwave Limb Sounder
MLT	Mean Local Time
mm	millimeter
MM	minutes, two digit format
	momentum management
	mode management
	mission management
	mesoscale model
	man month
MMA	mission management area
MMD	mean mission duration
MMDPS	Multi-mission Display Processing System
MMDS	Multichannel, Multipoint Distribution Service
MMFD	Multi-Mission Flight Dynamics
mm/hr	millimeters per hour
MMH	monomethyl hydrazine
MMI	man-machine interface
MMIC	monolithic microwave iontegrated circuit
M/M/m	Kendall notation for a type of queue
MMM	minimum, maximum, and mean
MMO	Mission Management Office
MPMA	Marine Mammal Protection Act
MMPP	Materials, Mechanical Parts and Processes
MMR	Modular Multi-band Radiometer
MMS	multimission modular spacecraft
	mode management service
	Modular Modeling System
	Master Mission Schedule
	Mission Management Subsystem
	Mission Management System
	Multi-Mission Scheduler
MMSLS	Martin Marietta Space Launch Systems
MNG	Multiple-image Network Graphics (proposed addition to PNG standard for storing and transmitting multiple image animations and composite frames)
MO&DA	Mission Operations and Data Analysis
MO&DSD	Mission Operations and Data Systems Directorate (GSFC Code 500)
MO	mission of opportunity
	master oscillator
	magneto-optical
MOA	memorandum of agreement

	meteorology, ozone, and aerosol
MOBY	Marine Optical Buoy
MOC	mission operations center
	mission operations control
MOCD	magneto-optics compact disk (write many CD)
	mission operations concept document
MOCE	Marine Optical Characterization Experiment
MOCEAN	MODIS Ocean
MODAPS	MODIS Adaptive Processing System
MODIS	Moderate Resolution Imaging Spectroradiometer
MODIS-N	Moderate Resolution Imaging Spectroradiometer -Nadir
MODIS-T	Moderate resolution Imaging Spectroradiometer – Tilt
MODLAND	MODIS Land
MODNET	MO&DSD Operational Development Network
MODS	Mission Operations and Data Systems
MOE	maneuver operations exercise
	Mission Operations Exercise
Mohms	Megohms
MOI	memorandum of information
MOJO	Message Oriented JAVA Objects
	Message Oriented JEST Objects
MOL	manned orbital laboratory
MOLA	Mars Orbiter Laser Altimeter
MOLAP	Multidimensional OLAP
MOLFLUX	a routine for determining contamination deposition rates on to EOS surfaces using data from RTHETO
MOM	mission operations manager
	Message-oriented Middleware
MOMP	Mission Operations Management Plan
MON	monitor
MOO	Maintain and Operation
MOP	mission operations plan
	Meteosat Operational Programme
	maximum operating pressure
MOPITT	Measurements of Pollution in the Troposphere
MOPMIR	Mars Observer Pressure Modulator Infrared Radiometer
MOPR	mission operations planning review
MOPS	mega (millions of) operations (10^6) per second
MOR	Mission Operations Review
	mission operations room
MORD	Mission Operations Requirements Document
MOS-1a,b	Marine Observation Satellite (Japan)
MOS	marine observation satellite
	metal oxide silicon
MOSA	mission operations support area
MOSDD	Mission operations and Systems Development Division
MOSFET	metal oxide silicon field effect transistor
MOSP	mission operations support plan
MOSPF	multicast open shortest path first
MOSR	Mission Operations Status Review
MOSS	US Army Corp of Engineers GIS Software
	Mission Operations Science System Simulation
	MIME Object Security Standard

MOST	mission operations support test
MOTS	modified-off-the-shelf
MOU	memorandum of understanding
	memoranda of understanding
MOWG	Mission Operations Working Group
MOZART	Model for Ozone And Related chemical Tracers
MP	mission planning
	microprocessor
	message passing
	massively parallel
MPB	Morris P. Bachynski
MPD	magnetosphere particules (detector)
MPDU	multiplexed protocol data unit
	multiplexing daa unit
MPE	Max-Planck Institute for Extraterrestrial Physics
MPEG	Moving Pictures Expert Group (international video compression standard)
MPF	managed process framework
MPG	Max Planck Gesellschaft (Max Planck Society)
MPGT	mission planning graphics tool
MPI	Max Planck Insititute
M-POP	metadata population
MPP	massively parallel processor
MPR	monthly progress review
	Mission Planning Review
MPS	Mission Planning System (ASF)
	multimode portable simulator
	Master Power Supply
MPT	mission planning terminal
MPU	Metadata Populating Utility (LaRC)
MQE	Managed Query Environment
MQIS	Microsoft Queue Information Service
MQUALS	MODLAND Quick Airborne Looks
MR	malfunction report
	management reserve
	Microwave Radiometer
	moon rise
	mission rehearsal
MRB	material review board
MRC	master reference cube
MRDB	mission requirements database
MRE	Mission Readiness Exercise
MRE-1	mono-propellant rocket engine
MRF	medium range forecast
MRIR	Medium Resolution Infrared Radiometer (Nimbus)
MRLC	Mult-Resolution Land Characteristics Consortium
MRM	Mission Readiness Manager
MRR	manufacturing readiness review
	mission requirement request
MRS	maintenance reporting system
	malfunction/failure reports
	multi release support
MRT	mission readiness test
	Mission Readiness Team
MRTT	Mission Readiness Test Team

MS	margin of safety moon set mass storage Microsoft
MSB	most significant bit
MSC	Multimedia Supper Corridor
MSCD	Mirror Scan Correction Data
MSCIF	Mechanical S/C I/F
MSD	LPS file extension for “MSCD”
MSE	maintenance support equipment
msec	millisecond
MSFC	Marshall Space Flight Center (DAAC)
MSG	Meteosat Second Generation
MSGF	station status info
MSGM	HDDT shipment report
msgs	messages
MSH	most significant half
MSK	Receive Antenna Horizon Mask message
MSL	mean sea level
MSM	Mission Support Manager
MSMQ	Microsoft Message Queue Server
MSN	Microsoft Network
MSO	manufacturing shop order Mission Systems Office
MSOCC	Multiple Satellite Operations control Center
MSP	Microsoft Project
MSPSP	Mission System Prelaunch Safety Package
MSR	management status report [Flights Projects Directorate] monthly status review mission status review microwave scanning radiometer Mission Support Room
MSRD	Mission Systems Requirements Document
MSRM	mass storage reference model
MSS	multi-spectral scanner (Landsat) mass storage system management subsystem master summary schedule message switching system systems management subsystem management services subsystem mobile satellite service Mission Management System
MSSHW	MSS Hardware CI
MSSU	Message Switching System Upgrade (Nascom)
MST	MODIS Science Team
MSU	mass storage unit Microwave Sounding Unit
MSW	most significant word
MSX	midcourse space experiment
MT	magnetic torquer megaton Mission Test
MTA	message transfer agent

	magnetic torque assembly
	metadata
	LPS file extension for “metadata”
	magnetic torque assembly
MTBCM	mean time between corrective maintenance
MTBF	mean time between failure
MTBI	mean time between interrupts
MTBM	mean time between maintenance
MTBPM	mean time between preventive maintenance
MTF	modulation transfer function
MTI	multispectral thermal imager
MTL	message transfer layer
MTMGW	Machine-to-Machine Gateway
MTPE	Mission to Planet Earth
MTPEO	Mission to Planet Earth Office
MTR	magnetic torque rod
MTS	microwave temperature sounder
	Meteoroid Technology Satellite (NASA)
	Microsoft Transaction Server
	mode transition sequence
MTTR	mean time to repair
	Mean Time To Recover
MTTRes	mean time to restore
MTU	message transfer unit
MU	microwave unit
MUA	Metadata Update Acknowledgement
	Material Usage Agreement
	Mail User Agent
MUC	Modified UNESCO Classification System
MUI	management user interface
Multi-BERT	multiple bit error rate tester
Multicast	a point to multi-point data flow
MUR	Metadata Update Request
MUX	multiplexer
MV	millivolt
MVI	Modified Vegetation Index
	MODIS Vegetation index
MVS	multiple virtual system
mW	milliWatt
MWA	momentum wheel assembly (AMSR-E)
MWG	Metrics Working Group
MWIR	Medium-Wavelength Infrared
	medium wave infrared
mwm	Motif window manager
MWND	Middleware Node
MWO	maintenance work orders
Mword	megaword of memory
MWP	microwave water path
MWRI	medium-wavelength infrared
MX	Metadata Exchange

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- N -

N	Newton
N_0	noise density
N-ROSS	Navy Remote Ocean Sensing System
N/A	not applicable
NA	network administrator
NAAQS	National Ambient Air Quality Standards
NACC	Network Automated Console Controller
NACSIM	National Communications Security Instruction Memorandum
NAD	Nadir Aperture Door
	Nitric Acid Dihydrate
Nadir	from space, in a direction, directly away from zenith, toward the center of the earth
NADW	North Atlantic Deep Water
NAIC	National Astronomy and Ionosphere Center (in Arecibo, Puerto Rico)
NALC	North American Land Characterization
NAM	Network Advisory Message
NAO	North Atlantic Oscillation
	National Astronomical Observatory (Japan)
NAP	network access point
NAPP	National Aerial Photography Program
NAR	non-advocacy review
NARA	National Archive and Records Administration
NARSTO	North American research Strategy for Tropospheric Ozone
NAS	National Academy of Sciences
	NASA Advisory Council
	Netscape Application Server
	Numerical Aerospace Simulation
	Network Attached Storage
NASA	National Aeronautics and Space Administration
NaSBE	Sodium Sulfur Battery Experiment
Nascom	NASA Communications Network
Nascom II	Nascom Augmentation
NASCOP	NASA Communications Operating Procedures
NASDA	National Space Development Agency (Japan)
NASIRC	NASA Automated Systems Incident Response Capabilities
NASTRAN	NASA structural analysis (program)
NAT	Nitric Acid Trihydrate
NATO	North Atlantic Treaty Organization
NATO ASI	North Atlantic Treaty Organization Advanced Study Institutes
NAU	Northern Arizona University
NAUG	Nascom Augmentation
NAV	navigation
NAWQA	National Water Quality Assessment
NB	narrowband
	noisy bus
NBC	New Business Committee
NBIOME	Northern Biosphere Observation and Modeling Experiment
NBIS	Northern Biosphere Information System
NBR	navigation base reference
NBS	National Bureau of Standards
	National Biological Service
NC	non-complex

	Network Computer
NCA	Network Computing Architecture
NCAR	National Center for Atmospheric Research
NCC	Network Control Center (GSFC) network communication center
NCCD	NCC Directive
NCCDS	NCC Data System
NCDC	National Climatic Data Center [NOAA] (also NESDIC/NCDC)
NCDS	NASA Climate Data System
NCEP	National Center for Environmental Prediction (NOAA)
NCEP AWC	National Center for Environmental Prediction Air Weather Center
NCF	NSSDC Computer Facility
NCG	Noncondensable Gas
NCGIA	National Center for Geographic Information and Analysis
NCIA	Center for Information and Analysis
NCIS	Nadir Climatic Interferometer/Spectrometer
NCPS	network command processing system
NCR	nonconformance report
NCRA	nonconformance reporting and corrective action system
NCS	Nutation Control System Netscape Commerce Server Network Computing System
NCSA	National Center for Supercomputer Applications National Computer Security Association
NCSC	National Computer Security Center
NCSL	National Computer Systems Laboratory
NCSNET	Nascom custom subnetwork
NCSS	non-commented source statements
ND	Network Directorate Networks Division
NDAAC	NSIDC DAAC
NDBC	National Data Buoy Center
NDI	non-developmental items
NDP	numerical data package
NDPR	NASA Defense Purchase Request
NDS	non-developmental software Novell Directory Service
NDSC	Network for the Detection of Stratospheric Change
nd:YAG	Neodymium: yttrium-Aluminum-Garnet
NDVI	Normalized Difference Vegetation Index
NEA	non-explosive actuators noise equivalent angle
NEC	North Equator Crossing national electric code
NEDRES	National Environmental Data Referral System
NEG	Numerical Experimentation Group (of CLIVAR)
NEPA	National Environmental Policy Act
NERC	National Environmental Research Center
NERP	National Environmental Research Park
NESDD	NOAA Earth Science Data Directory
NESDIS	National Environmental Satellite, Data, and Information Service (NOAA)
NET	No Earlier Than
netCDF	network common data format
NetCDF	non-HDF formats

NEVADA	Net Energy Verification and Determination Analyzer
NEWS	NOAA's Earth Watch Service
NEXRAD	NEXt generation weather RADar
NF	Noise Figure
NFE	NCC front end
NFOV	narrow field-of-view
NFS	network file system
NGDC	National Geophysical Data Center [NOAA]
NGI	Next GenerationInternet
NGO	Non-Governmental Organization
NGST	next generation space telescope
NGT	NASA ground terminal
N ₂ H ₄	monopropellant hydrazine
NH	Northern Hemisphere
NHA	next higher assembly
NHAP	national high altitude photography
NHB	NASA handbook
NHC	National Hurricane Center
NHPA	National Historic Preservation Act
NI	NASA Internet
NIA	network integration and analysis
NIAC	NASA Institute for Advanced Concepts
NIC	network interface card
	NASA Information Center
	National Ice Center
NID	Network Interface Device
NI DAQ	National Instruments Data Acquisition
NIES	National Institute of Environmental Science (Japan)
NIH	National Institutes of Health
NII	National Information Infrastructure
NIIT	National Information Infrastructure Testbed
NIMA	National Imagery and Mapping Agency
NIMBUS	NASA Meteorological Satellites (1 thru 7)
NIPR	National Institute for Polar Research (Japan)
NIR	near infrared
NIS	Network Information Service
NISDDT	Nascom Interface Standards for Digital Data Transmission
NISE	Near Real-Time SSM/I EASE-Grid Daily Global Ice Concentration and Snow Extent
NISN	NASA Integrated Support Network
	NASA Integrated Services Network
NISS	NASA Institutional Support System
NIST	National Institute of Standards and Technology
NIU	network interface unit
NIVR	Netherlands Agency for Aerospace Programmes (Nederlands Instituut voor Vliegtuigontwikkeling en Ruimtevaart)
NIX	NASA Image Exchange
NLAPS	National Landsat Archive Production System
NLDC	NASA Landsat Data Collection
NLDN	National Lightning Detection Network
NLP	No Longer a Problem
NLSP	Netware Link Services Protocol
nm	nanometer

N-m	Newton Meter
NM	Network Management
NMA	network management application
NMC	National Meteorological Center (NOAA) network management center
NMCC	Nascom Management Control Center
NMCI	network management configuration item
NMD	NASA Master Directory
NMF	network management facility network management forum
NMFS	National Marine Fisheries Service
NMHC	Non-Methane Hydrocarbons
nmi	nautical mile
NMI	NASA management instruction
NMOS	Network and Mission Operations Support (NASA program) NASA Management and Operations Support
NMP	new Millennium Program
N&MS	Network and Mission Services
nms	Newton meter seconds
NMS	network management subsystem (Ecom) neutral mass spectrometer
NMSAR	nonstandard material approval request
N-m-sec	Newton Meter Second
NNGS	Nascom Network Gateway System
NNI	network to network interface
NNM	Network Node Manager HP Open View Network Node Manager
NNTP	Network News Transfer Protocol
NO	number
NOA	new obligation authority
NOAA	National Oceanic and Atmospheric Administration
NOARL	Naval Oceanographic and Atmospheric Research Lab
NOC	Network Operations Center
NOCC	Network Operations Control Center (DSN)
NODC	National Oceanographic Data Center [NOAA]
NODS	NASA Ocean Data System
NOE	Network Operations Exercises
NOLAN	Nascom Operational Local Area Network
NOM	network operations manager
NOMC	Network Operations Management Center
NOP	no operation
NOPEX	Northern Hemisphere Climate-Processes Land-Surface Experiment
NOPS	NIMBUS Ozone Processing System
NOR	notice of revision NORAD two-line element message
NORDA	Naval Ocean Research and Development Activity
NOS	network operating system
NOSE	Nominal Orbit Spatial Extent
NOSIE	NODC Ocean Science Information Exchange
NOSP	Networks Operation Support Plan
NOSS	National Oceanic Satellite System
No _x	odd nitrogen family
NPAS	Network Planning and Analysis System

NPCS	Narrowband PCS
NPDES	National Pollution Discharge Elimination System
NPNG	Network Protocol Gateway
	NASA Policy and Guidelines
NPOESS	National Polar Orbiting Environmental Satellite System
NPOP-1	NASA polar Orbiting Platform (One)
NPP	net primary productivity
	net primary production
NPPA	California Native Plant Protection Act
NPRD	nonelectronic parts reliability data
NPSNET	Nascom packet switched subnetwork
NQA	National Quality Assurance
NQS	queuing system
NRA	NASA Research Announcement
NRC	National Research Council
NRCA	nonconformance reporting and corrective action
NRCS	Natural Resource Conservation Service
NRDN	NOAA Radar Data Network
NREN	National Research and Education Network
NRL	Naval Research Laboratory
NRLM	National Research Laboratory of Metrology (Japan)
NRN	national research network
NRP	national resource protection
NRSC	National Remote Sensing Centre (UK)
NRT	near real time (data)
	network readiness test
NRZ	non return to zero
NRZI	non-return to zero invert on ones
NRZ-L	non return to zero-level
NRZ-M	non return to zero, mark
NSA	National Security Agency
NSAP	network service access point
NSAPI	Netscape Server API
NSAT	Network Security Assessment Team
NSBF	National Scientific Balloon Facility
NSC	Network Support Committee
	National Security Council
NSCAT	NASA Scatterometer
NSDD	National Security Decision Directives
NSDI	National Spatial Data Infrastructure
NSDS	NASA Software Documentation Standard
Nsec	nanoseconds
NSF	National Science Foundation
NSFNet	NSF Network
NSG	Network Services Group
NSGIC	National States Geographic Information council
NSGW	Nascom Service Gateway
NSI	NASA Science Internet
	National Science Institute
NSIDC	National Snow and Ice Data Center (DAAC)
NSIP	NASA Student Involvement Program
NSIPO	NASA Science Internet Project Office
NSM	Network Support Manager
	Network Status Monitor

NSN	NASA Science Network
NSP	NASA Support Plan
	network service provider
NSPAR	nonstandard part approval request
NSP	NASA Support Plan
NSpC	National Space Council
NSPD	National Space Policy Directive
NSPL	non-standard parts list
NSRS	Natural Environment research Council (BNSC)
NSSDC	National Space Science Data Center
NSSL	National Strong Storm Laboratory
NSTC	National Space and Technology Council
NSTR	NASA Standard Tape Recorder
NSTS	National Space Transportation System
NT	not tested
	network transport
NTE	not to exceed
NTIA	National Telecommunications and Information Administration
NTIC	National Technical Information Center
NTISS	National Telecommunications and Information Systems Security Policy
NTO	nitrogen tetroxide
NTP	network transport protocol
	network time protocol
NTR	New Technology Report
NTSC	National Television Standards Committee
NTT	Nippon Telephone and Telegraph
NTTF	NASA Test and Training Facility
NU	no unit (or unitless)
NUMA	Non-Uniform Memory Access
NURE	National Uranium Resource Evaluation
NUS	no upper stage
NUWIG	NCC User Working Interface Group
NV	not verified
NVAP	NASA Water Vapor Project
NVM	non-volatile memory
NVR	non-volatile residue
NVRAM	Non-Volatile RAM
NWCI	networking configuration item
NWP	numerical weather prediction
NWS	National Weather Service (NOAA)
NWS-HRL	NWS - Hydrologic research Laboratory
NWS-RFC	NWS - Regional Forecast Center
NWS-RFO	NWS - River Forecast Office

- O -

O2	octane 2
O&C	operations and checkout
O&M	operations and maintenance
O/A	orbit and altitude
OA	operations agreement
	off-line analysis process
	office automation
	orbital activation
	optical assembly
	operational attitude
OAC	Optical Alignment Cube
OA-MSCIF	Optical Assembly MSCIF
OAP	Orbital Activation Plan
OA SCS	Orbital Activation Stored Command Sequences
OASIS	Operations and Science Instrument Support
	office automation systems improvement standards
	Organization for the Advancement of Structured Information Standards
OASM	operational analysis support model
OASPL	overall sound pressure level
OAT	Operational Algorithm Teams
OA-TH	Optical Assembly Thermal Hardware
OBC	on-board computer
	on-board calibrator
OBDC	On Board Doppler Computation
OBFM	on-board fault management
OBI	Open Buying on Internet
OBM	Orbital Balancing Mechanism
OBP	on-board processor
OBS	organizational breakdown structure
OC-3	optical carrier level 3
OC	operational capability
	Optical Carrier
	Operations Controller
OCC	operations control center
OCC/MPS	Operations Control Center/Mission Planning System
OCD	operations concept document
OCF	operational control field
OCG	Ocean Catalog Group (NASA)
OCI	ocean color imager
	Oracle Call Interface
OCL	Open Client Library
OCM	ocean color mission
OCMIP	Ocean Carbon-cycle Model Intercomparison Project
OCR	optical character recognition
	Operations Control Room
OCR/ICR	Optical Character Recognition/Intelligent Character Recognition
OCS	operator control subsystem
	Carbonyl Sulfide
OCSP+Online	Certificate Status Protocol
OCT	octave
	ocean color and temperature

OCTS	Ocean Color and Temperature Scanner (ADEOS)
OD	outside diameter orbit determination
ODB	operational database
ODBC	Open Database Connectivity
ODBMS	object oriented data management system
ODC	other data center
ODE	orientation drive electronics
ODF	operational data file
ODFRM	On-Demand Form Request Manager (CLS)
ODL	Object Description Language
ODM	Operational Data Message
ODMA	Open Document Management API
ODMG	Open Database management Group
ODMS	object data management system
ODIN	Outsourcing Desktop Initiative for NASA
ODIS	Office of Data Information Systems Operations Data and Information Systems
ODL	object description language object definition language
ODM	operational data message operations data message
ODMS	object data management system
ODP	open distributed processing on-board data processor ozone depletion potential
ODPR	on-demand production request
ODPRM	On-Demand Production Request Manager (PLS)
ODR	optical data recorder (ADEOS II)
ODS	One Day Schedule Operational Data Store
ODSys	order desk system
ODT	operational data tapes
ODU.S.	ozone dynamics ultraviolet spectrometer (CHEMISTRY)
OEA	OEA Aerospace (a company)
OEC	operations engineering center
OECD	Organization for Economic Cooperation and Development
OEM	original equipment manufacturer
OES	object encapsulation software Office of Earth Science
OFS	orbiter flight simulator
OFX	Open Financial exchange
OGCM	ocean general circulation model
OGO	Orbiting Geophysical Observatory
OH	hydroxyl radical
OHS	Order Handling System
OI(1)	Singly Ionized Oxygen Emission Line
OICD	operational interface control document
OIL	Observational Instrument Laboratory
OIM	Open Information Model
OIP	operations interface procedure
OIVP	on-orbit initialization and verification plan
OJT	on-the-job training
OLAP	on-line analytical processing

OLE	object linking, tools Object Linking and Embedding
OLME	Ozone Layer Monitoring Experiment
OLR	outgoing longwave radiation
OLS	optical line scanner Orbital Launch Services operational linescan system optical linescan system
OLTP	on-line transaction processing
OM	Operations Manager Operations Management Odyssey of the Mind
OMA	object management architecture
OMB	Oblique Mercator, Type A Office of Management and Budget Oblique Mercator, Type B
OMCF	Orbiter Maintenance and Checkout Facility
OMD	operations management data
OMDSIM	Operations Management Data Simulator
OMF	object management framework operations management function
OMG	object management group
OMI	Ozone Measuring Instrument OPSEC Management Group Ozone Monitoring Instrument (Chemistry Project) OMI - EOS
OMIE	
OMIS	Optical Multichannel Imaging Sensor (NPOESS)
OMPS	Ozone Mapper and Profiler Suite
OMPWG	ASTER Operation and Mission Planning Working Group
OMS	observation from the middle stratosphere orbital maneuvering system
OMT	Object Modeling Technique
OMTPE	Office of the Mission to Planet Earth
OMV	orbital maneuvering vehicle
ONC	operational navigational charts
ONE	Open Network Environment (Netscape)
ONR	Office of Naval Research
ONU	Optical Network Unit
OO	object oriented
OOA	object-oriented analysis
OOD	object-oriented design operational orbit determination
OODBMS	object-oriented database management system
OODCE	object-oriented distributed computing environment
OOL	out of limits Object Oriented Language
OOM	On-Orbit Operations Manual
OOOS	Object-oriented Operating System
OOP	Object-oriented Programming
OOPL	Object-oriented Programming Language
OOPS	Object-oriented Programming and Systems
OORDB	object-oriented relational data base
OOT	out of tolerance
OP	operations

OPAC	on-line payment and collection
OPB	out of plane bending Optical Bench
OPD	operations document operation procedure document
OPF	Orbiter Processing Facility
OpLAN	operational local area network
OPM	operations message operational message Office of Personnel Management
OPP	opportunity
OPPM	outside the principal period of maintenance outside PPM hours
OPR	operational On-demand Production Request
OPS	Onboard Payload Support Operations Open Profiling Standard
OPS CON	operations concept
OPS	on-board payload support operations optical sensor
OPSEC	Open Platform for Secure Enterprise Connectivity
OPSIM	program for operations simulator and for the CCDM Model
OPS SUPER	Operations Supervisor
OPT	ozone processing team
OQL	Object Query Language
OR	operations requirements
ORACLE	On-line Inquiry and Report Generator
ORB	object request broker
ORDBMS	object relational database management system
ORE	Operations Readiness Exercise
ORF	orbital reference frame
ORNL	Oak Ridge National Laboratory (DAAC)
ORPA	operations readiness and performance assurance
ORPC	Object Remote Procedure Call
ORR	Operations Readiness Review
ORT	Operations Readiness Test Operations Readiness Training
ORU	operational replacement unit
OS	object services operating system
OS ²	operating system 2
OSAB	OMI Science Advisory Board
OSC	Orbital Sciences Corporation Office of Space Communications
OSD	Open Software Description
OSDPD	Office of Space Data Processing and Distribution (NOAA)
OSF	Open Software Foundation Open Systems Foundation Office of Space Flight (NASA Hq) Observation Schedule File
OSHA	Occupational Safety and Health Administration
OSI	Open Systems Interconnection

OSI-RM	OSI reference model
OSM	open storage manager
OSMA	Office of Safety and Mission Assurance
OSO	Office of Space Operations
OSP/A	Orbiting Satellite Project/Application
OSPF	open shortest path first (routing protocol)
OSP/S	Orbiting Satellite Project/Science
OSS	Office of Space Station
OSSA	Office of Space Science and Applications
OSSE	observing system simulation experiments
	oriented scintillation spectrometer experiment
OST	Operations Support Team
OSTDS	Office of Space Tracking and Data Systems
OSTP	Office of Science and Technology Policy
OSU	Oregon State University
OT	Open Technology
OTA	Office of Technology Assessment
OTAE	other technical assets employed
OTD	optical transient detector
OT&E	Operational Test and Evaluation
O-Team	Operability Team
OTJ	On the Job
OTMM	Observatory Thermal math Model
OTP	Open Trading Protocol
OTS	off-the-shelf
	Object Transaction Service (CORBA)
OTTER	Oregon Transect Terrestrial Ecosystem Research
OU	Organizational Unit
OTV	orbital transfer vehicle
OV	over voltage
	open view
OVW	HP Open View Windows
OWG	Operations Working Group
OZON-MIR	Ozone Trace Gas and Aerosol Monitor on Mir

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- P -

P3P	Platform for Privacy Preferences (based on RDF)
P&CS	Planning and Control System
P&S	planning and scheduling
P/B	playback
P/L	public law
	Payload
P/S	Planning/Scheduling
PA	payload accommodations
	performance assurance
	product assurance
	power amplifier
	performance analyst
PAA	payload accommodation assembly
	program associate administrator
PAAS	platform archive and analysis system
PABSI	Profiling A-Band Spectrometer/Visible imager
PAC	privilege attribute certificate
PACC	Program Analysis and Control Contract
PACOR	packet processor
PACS	Polar Acquisition and Command System
	Pan American Climate Study (GOALS)
PAD	project approval document
	product, archiving and distribution
	Precision Attitude Determination
PAE	Performance Assurance Engineer
PAF	Processing and Archiving Facility (ESA)
	payload attach fitting
	Payload Attached Fixture
PAGES	past global changes (IGBP)
PAIP	performance assurance implementation plan
PAL	Parts Accumulation List
	Phases Alternate Line
PALS	procedure automation language shell
PAM	permanent archive manager
	Performance Assurance Manager
	payload assist module
PAM-D	payload assist module-delta
PAMM	permanent archive and media management
PAN	Production Acceptance Notification
	panchromatic
PAO	Public Affairs Office
PAPL	project approved parts list
	program approved parts list
PAR	performance assurance requirements
	platform acceptance review
	photosynthetically active radiation
	photosynthetically available radiation
PARABOLA	automatic BRDF imaging surface instrument
PARABOLA III	Portable Apparatus for Rapid Acquisition of Bidirectional Observations of the Land and Atmosphere
PARC	public access resource center

PARCA	Palo Alto Research Center (Xerox)
PAS	Program for Arctic Regional Climate Assessment
	platform analysis software
	platform analysis system
	planning and scheduling
	planning and scheduling subsystem
PASCAL	Programming Language (named after Blaise Pascal)
PAT	Process Action Team
PB4	Parallel Grouped Binary Millisecond/Microsecond Time Code
PB5	Parallel Grouped Binary Time Code 5
PB	petabyte (10^{15})
PB	playback
PBAT	Power Module Battery
	Power Equipment Module Battery
PBC	performance based contracting
PBI	person based interface (non automated)
PBK	playback
PBL	product baseline
	planetary boundary layer
PBIO	Processor Backplane I/O
PBX	Provate branch Exchange
PC	personal computer
	printed circuit
	poly chloride
	photo conductive
	process control
	polyconic
	power controller
	performance criteria
	parameter control
PCA	program control analyst
	physical configuration audit
	program committment agreement
PCAM	program complexity analysis methodology
PCAR	platform core activity request
PCB	programmable circuit breaker
	program control board
	parts control board
	project control board
PCC	Platform Control Center
	payload checkout cells
PCD	Payload Correction Data
	periodic convolutional deinterleaver
PCDS	Pilot Climate Data System (became NCDS)
	PCD processing subsystem
PCE	Power Control Electronics
PCF	process control file
PCFG	Program Configuration file (Management Agent)
PCHS	Program Control Hierarchy System
PCI	peripheral component interface
	peripheral component interconnect
	product configuration identification
	periodic convolutional interleaver

	personal computer interface
PCL	planning class libraries
PCM	pulse code modulated
	Physical Configuration Management
PCMB	Project Configuration Management Board
PCMU	Power Control Monitoring Unit
	Propulsion Control and Monitor Unit
PCN	Personal Communications Network
PCO	Procedure Change Order
PCON	proof of concept
PCP	platform controls processor
PCR	PMS Compliance Review
	peak cell rate
PCS	Planning and Control System
	Predefined Command Script
	Predefined Command Sequences
	Personal Communications Services
PCSF	Project Completion Statistics Form
PCT	Private Communications Technology
PCU	power control unit
PCY	Poly-Cyanide
PD	Proportional and Derivative (controller)(type of control law – earth pointing sensor)
PDA	Power Distribution Assembly
	Preliminary Design Audit
	Personal Digital Assistant
PDAS	predicted data availability schedules
PDB	project database
	program database
PDBS	Parallel Database System
PDD	Payload Definition Document
pdf	portable document format
PDF	programmable data formatter
	payload data formatter
	publisher's display format
PDH	production data handling
PDHF	Production Data Handling Function
PDI	Professional Development Initiative
PDL	program design language
PDM	Propellant Distribution Module
PDMO	Product Data Management Office
PDMP	program data management plan
	project data management plan
PDP	program development plan
PDPS	planning and data processing system
	planning and data processing subsystem
	planning and data production system
	product data processing subsystem
PDQ	Panel on Data Quality
PDR	Preliminary Design Review
	Product Delivery Record
PDR-A	Preliminary Design Review Release-A
PDRD	Product Delivery Record Discrepancy
PDS	planetary data system
	platform data system

	production data set
	production data system
	production data specialist
PDT	Procurement Development Team
PDU	protocol data unit
	power distribution unit
PDW	preliminary design walk-through
PE	Payload Executive
PEB	Performance Evaluation Board
	phycoerythrobilin-rich phycoerythrins
PECAD	Production Estimates and Crop Assessment Division (USDA)
PECL	Positive Emitter Coupled Logic
PEF	Project Estimates Form
PEL	permissible exposure limit
PEM	particle environment monitor
	Pacific Exploratory Mission
	production efficiency model
	Privacy-Enhanced Mail
PEP	performance evaluation plan
PER	pre-environmental review
PERD	project element requirements document
	program elements requirements document
Perl	a UNIX® programming language
PERL	Practical Extraction and Report language
PERT	program evaluation review technique
	project evaluation review technique
PET	potential evapo transportation
PETS	performance evaluation and test system
PEU	Processing Electronics Unit (HSB)
PeV	parameter equals value
Pf	Pico-farad
PF	process framework
PFD	preliminary flight data packages
PFM	proto-flight model
PFO	Project Formulation Office (within STAAC)
PFPA	prime focal plane assembly
PFU	proto-flight unit
PGE	product generation executive (formerly product generation executable)
PGGA	Permanent GPS Geodetic Array
PGM	portable grey map (image file format)
PGML	Precision Graphics markup Language
PGS	Product Generation Service
	Product Generation System (ASTER)
PGSTK	Product Generation System Toolkit (obsolete name, replaced by SDPTK)
PH	production history
PHS	Persnoal Handyphone System
PHS&T	packaging, handling, storage and transportation
PHY	Physical Layer Protocol
PI	principal investigator
	primary investigator
	project instruction
	proportional integral (type of control law – wheels)
	process instruction

PIA	project initiation agreement
PIC	Payload Interface Controller
PICA	Platform Independent Cryptography API
PICASSO	Pathfinder Instruments for Cloud and Aerosol Spaceborne Observations
PICASSO-CENA	Pathfinder Instrument for Cloud and Aerosol Spaceborne Observations (Climatologie Etendue des Nuages et des Aerosols)
PICF	Principal Investigator Computing Facility
PICS	procurement and inventory control system
	Platform for Internet Content Selection
PID	parameter identification
	parameter identifier
	prototype international directory
	proportional integral and derivative
	process identification number
PIK	precision injection kit
	Potsdam Institute for Climate Impact Research
PILPS	Project for Intercomparison of Land Surface Parameterization Schemes
PIM	Program Integration Manager
	Protocol Independent Multicast
PIN	password identification number
	process identification number
	personal identification number
	project identification number
PIND	Particle Impact Noise Detection
PING	Packet Internet Groper
PIO	policy implementation office
PIP	project implementation plan
	payload integration plan
PIPOR	Programme of International Polar Oceans Research
PISP	Polar Ice Sheet Program
PIT	product integration team
PI/TL	principal investigator/team leader
PITS	Program Issue Tracking System
	Project Issue Tracking System
PIU	power interface unit
PK	Primary Key
PKF	Poker Flat
PKI	Public Key Infrastructure
PL/1	Programming Language 1
PL	payload
	public law
PLANG	planning subsystem (CI)
	production planning CSCI
PL-DRO	Phase Locked Dielectric Resonance Oscillator
PLDS	Pilot Land Data System
	Pilot Land Development System
PLE	payload executive processor
PLF	payload fairing
PLN	plan
	planning (workstation)
PLNHW	planning hardware [configuration item]
PLO	phase locked oscillator
PLOP	Physical Layer Operations Procedure
PLS	planning subsystem

PLT	platform
PM	afternoon (post meridiem)
	preventive maintenance
	program manager
	project manager
	propulsion module
	phase modulation
	Post Meridian
PMA	Project Manager's Assessment
	platform management application
	Performance Management Application
PMAD	power management and distribution
PMAS	performance management application service
PMB	performance measurement baseline
PMC	pressure-modulated cell
	pressure-modulator cell
	Program Management Council
PMCD	Part Material Control Document
PMCU	propulsion module control unit
PMD	Physical Layer Medium Dependent
	physical layer medium protocol
	propulsion management device
	Polarization mode Dispersion
PMDB	Program Master Database
PMDR	physical media delivery record
PMEA	propulsion module electronics assembly
PMF	product metadata file
PMH	Project Management Handbook
PMIR	Pressure Modulated Infrared Radiometer
PMIRR	Pressure Modulated Infrared Radiometer
PMIS	project management information system
PML	program maintenance library
PMMI	PM microwave imager
PMO	Project Management Office
PMP	project management plan
	payload mounting plate
	preliminary mission plan
	Parts, Material, and Processes
PMPCB	Parts, Material, and Processes Control board
PMPDR	Physical Media Product Delivery Record
PMR	Program Management Review
	Project Management Review
	pressure-modulated radiometer
PMRD	preliminary mission requirements document
PMS	performance measurement system
	platform management system
PMSR	performance measurement status report
	preliminary monthly status review
PMSWG	Platform Management System Working Group
PMT	Project Management Team
	Photo Multiplier Tube
PMUDR	Physical Media Unit Delivery Record
PN	pseudorandom noise
	pseudo-random number

PNG	Portable Network Graphics
PNM	Physical Network Management
P-NNI	private network to network interface
PNNL	Pacific Northwest National Laboratory
PNZ	Phytoplankton-nutrient-zooplankton
PO	program/product order
	project office
	purchase order
	Polar Oceans
	program office
POAM	Polar Ozone and Aerosols Mission
POC	point of contact
	product order cancellation
POCC	Payload Operations Control Center
	Project Operations Control Center
POCR	product order cancellation request
POD	project operations director
	proof of design
	Precision Orbit Determination
PO.DAAC	Physical Oceanography Distribution Active Archive Center (JPL)
PoDAG	Polar DAAC Advisory Group
PODB	product order data base
PODS	precision orbit determination system
POEM	Polar-Orbit Earth Observation Mission
POEMS	positron electron magnet spectrometer
POES	polar-orbiting operational environmental satellite
POGO	Polar-Orbiting Geophysical Observatory
POIC	Payload Operations Integration Center
POLAR	Polar Plasma Laboratory
POLARIS	Photochemistry of Ozone Loss in the Arctic Region in Summer
POLDER	Polarization and Directionality Of Earth's Reflectances
POLES	polar exchange at the sea surface
POM	Potential Monitor (TEDA)
POP	Polar-Orbiting Platform
	program operating plan
	Point of Presence
	Post Office Protocol
POR	Power Off Reset
POS	product order status
	Point of Sale
POSC	Petrotechnical Open Software Corporation
POSIX	Portable Operating System Interface for Computer Environments
POSR	product order status request
Pot	Potentiometer
p-p	peak-to-peak
PP	project plan
ppb	parts per billion
P P/B	priority playback
PPCR	Pass Plan Change Request
PPDS	Planning, Processing and Data Server
PPF	Payload Preparation Facility
	Payload Processing Facility
PPL	preferred parts list
PPLU	Propellant and Pressurant Loading Unit

ppm	pixels per minute parts per million
PPM	principal period of maintenance
PPP	point-to-point protocol physical page of data (code for)
PPR	payload preparation room photopolarimeter radiometer
PPRR	Preliminary Program Requirements Review
pps	pulses per second
PPS	portable platform simulator payload pointing system production planning system Packets per Second
PPS&C	programming practices, standards and conventions
PPTP	Point-to-Point Tunneling Protocol
PQCM	particulate quartz crystal microbalance
PQSR	project quarterly status review
PQT	preliminary qualification testing
PR	Precipitation Radar (TRMM) procurement request purchase request product request production request process specification polarization ratio
PRA	Pyro-Relay Assembly
PRADS	primary attitude determination system
PRAREE	Precise Range and Range Rate Equipment -- Extended
PRB	problem report message
PRBS	Pseudo-Random Bit Sequence Pseudo-Random Bit Stream
PRC	Passive Radiative Cooler (MODIS)
PRD	program requirements document
PRE	Preformatted (HTML)
PRELIM	preliminary
PRF	Pulse Repetition Frequency
Pre-MOVE	Pre-MOPITT Oklahoma Validation Experiment
Pre-MSR	pre-monthly status review
PRE-NEGS	pre-negotiations
PREPS	preparations
PRF	pulse repetition frequency Personnel Resources Form problem report form
PRI	Primary Rate interface
PRM	Program Management Review
PRML	Partial Response Maximum Likelihood
PRO	Policy and Review Office proposal
PROC	processor procedure
PROCs	Procedures
PROM	programmable read only memory
PRONG	processing subsystem (CI) processing CSCI

PROP	propulsion
PROPS	Propulsion Subsystem (AM-1)
PROTO	prototyping
Prr	Pulse repetition Rate
PRR	Preliminary Requirements Review
	Program Requirements Review
	Production Readiness Review
PRS	preliminary resource schedule
PRT	Platinum Resistance Thermistors
ps	PostScript
Ps	Probability of Station availability
PS	Project Scientist
	power supply
	polar stereographic
	processor sharing
	propulsion subsystem
PSAs	product specific attributes
PSAT	predicted site acquisition table
PSC	platform support center
	premodulation signal conditioner
	polar science center
	polar stratospheric clouds
PSCN	Program Support Communications Network
PSCNI	program support communication network-internet
PSD	prevention of significant deterioration
	planning and scheduling data
PSDN	Packet Switched Data Network
PSDR	Preliminary System Design Review
P_SDU	Packet Service Data Unit
PSI	Pressure Systems Inc. (a company)
psi	pounds per square inch
psia	pounds per square inch, absolute
PSIOC	Processor Support and I/O controller
PSK	phase-shift keying
PSL	Program Summary Letter
PSM	Project Support Manager
	Power Supply Module
	Persistent Stored Module
PSN	Net Photosynthesis
PSO	Project Science Office
PSR	Program Status Review
	pre-ship review
	Pulsar
PSRR	Preliminary System Requirement Review
PSS	portable simulation system
	portable spacecraft system
PST	Pacific Standard Time
PSTN	Public Switched Telephone Network
PSU	Power Supply Unit (HSB)
	Power Switching Unit
	Pennsylvania State University
P/T	Pending Test
PT	point
PTA	Post-Test Analysis

PTGT	privilege ticket granting ticket
PTP	programmable telemetry processor
PTR	Post Test Review
PTS	power test set
	Prototype Tracking System
PTT	Protocol Task Team
	Postal, Telegraph and Telephone
PTTS	platform test and training system
PU	processing unit
PUB	phycourobilin-rich phycoerythrins
PUMS	public use microdata samples
PV	photovoltaic
PVC	permanent virtual circuit
	Performance Verification Center
PVCC	permanent virtual channel connection
PVL	parameter value language
PVP	performance verification plan
	project verification plan
PVPC	permanent virtual path connection
PVT	performance verification test
PW	Pulse Width
	precipitable water
PWA	project work authorization
PWB	Printed Wiring Board
	Planning WorkBench
PWD	people with disabilities
PWM	pulse-width-modulated
PWV	Precipitable Water Vapor

- Q -

Q	quadrature channel
QA	quality assurance
	quality accounting
	quality assessment
QAC	quality and accounting capsule
QAE	quality assurance executive
QAM	quality assurance monitor
	quality assurance manual
	Quadrature Amplitude modulation
QAMIP	Quality Assurance Mandatory inspection Point
QAR	Quality Assurance Representative
QA SCF	Quality Assurance Science Computing Facility
QAWG	Quality Assessment Working Group
QB	quiet bus
QBA	Quiet Bus Side A (for OMI)
QBB	Quiet Bus Side B (for OMI)
QBO	Quasi-Biennial Oscillation
QC	quality control
QCI	Quality Conformance Inspection
QCM	Quartz Crystal Microbalance
QDS	quick-look data set
QE	quality engineer
Q/L	quick-look
QLBB	Quick-Look Bulletin Board (JPL)
QLR	Quick Look Review
QM	Qualification Model
	Quality Manual
QML	Quality Material List
QMR	quarterly management review
QMS	Quality Management System
QO	quality office
QoS	Quality of Service
QPL	Quality Parts List
QPR	Quality project Requirements
QPSK	quadrature phase shift keying
	quaternary phase shift keying
QR	Quick Response
	Qualification Review
QRU	query, retrieve, and update
QuikSCAT	Quick Scatterometer
QT	quality test

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- R -

R&D	research and development
R&I	receiving and inspection
R&M	reliability and maintainability
R&QA	reliability and quality assurance
R	Redundancy
R1	Release 1
RA	Radar Altimeter
	right ascension
RA-2	Advanced Radar Altimeter (ESA)
RAAC	remote active archive center
RAAN	right ascension of ascending node
RAB	RAID Advisory Board
RACF	remote access control facility
	resource access control facility
RACL	RTM Automated Class Linker
RACMO	Regional Atmospheric Climate Model
RAD	Rapid Application Development
rad	Radian
RADAR	RADio Direction And Range/Ranging
Radarsat	Radar Satellite (Canada)
rads	Radiation Dosage
RADSL	Rate-adaptive ADSL
RAE	Royal Aerospace Establishment (UK)
RAID	redundant array of inexpensive disks
	real-time application interactive debugger
	redundant array of independent disks
RAIT	redundant array of inexpensive tapes
RAL	Rutherford Appleton Laboratory (UK)
	Register Allocation List
RALT	radar altimetry
RAM	random access memory
RAMP	Radarsat Antarctic Mapping Program
RAMS	Regional Atmospheric Modeling System
	Reliability, Availability, Maintainability and Safety
RAMIS	Remote Access Management Information System
RAP	restricted access processor
	rotating azimuth plane
RAR	Reliability Assessment Report
RARP	reverse address resolution protocol
RARR	range and range rate
RAS	Row Address Strobe (memory controller output to DRAMS)
RASCAL	raster scanning airborne laser
RASOT	Release A Search and Order Tool
RAT	requirements allocation table
	resource allocation tool
RATS	RAID array tape system
R/B	rate buffered
RB	Release B
	Rate Buffered
RBD	Rate Buffered Data
	reliability block diagram

RBR	requirements by release
RC	radiative-convective Release Capability
RCA	Radiative Cooler Assembly
RCB	Re-Configuration Buffer
RCC	Release Critical Contingency Iteration
RCI	request for clarification or information
RCL	resource class libraries
RCM	reliability centered maintenance
RCP	real-time contact management subsystem right circular polarized robotics control process remote copy
RCS	reaction control system revision control system Request Communications Support Relative Command Sequence
RCSM	Regional Climate System Model
RCT	Release Completion Technical (Interchange Meeting)
RCTD	return channel time delay
RCVR	receiver
RCVR/PROC	receiver/processor
RD	required document requirements document
RDA	remote database access remote data access
RDBMS	relational database management system
RDC	real decision cord
RDCS	raw data capture subsystem
RDD	return data delay
RDE	Responsible Design Engineer
RDET	regulated direct-energy transfer
RDF	Resource Description Framework
RDM	Radiation Design Margin
RDPS	raw data processing subsystem
RDR	Release Design Review
RDRAM	Rambus DRAM
RDS	Rapid Spacecraft Development
RDW	request for deviation/waiver
RE	responsible engineer radiated emissions
REA	rocket engine assembly reaction engine assembly Responsible Engineering Authority
REAC	Acquisition Result
REC	request for engineering change
REDM	redundancy management
REEDM	rocket exhaust effluent diffusion model
REF	reference
REL	release
REP	Relativistic Electron Precipitation
REQ	service request message request
REQQ	operation request

Req't	Requirement
REQW	weekly request
RESACs	Regional Earth Science Applications Centers
RESTEC	Remote Sensing Technology Center of Japan
REV	review
	revolution
RF	radio frequency
RFA	remote file access
	request for action
RFC	request for comments
	Request For Change
RFD	Request for Deviation
RFI	request for information
	radio frequency interference
RFP	request for proposal
RFQ	request for quotation
RFS	Request for Specification
	Request for Service
	Radio Frequency Subsystem
RFSOC	Radio Frequency Simulation Operations Center
RFT	request for technology
RFTS	Radio Frequency Test Set
RFU	ready for use
RGB	red, green blue
RGMM	Reduce Geometric math Model
RGPS	Radarsat Geophysical Processor System
RGS	Receiving Ground Station (ASF)
RH	relative humidity
RHC	right-hand circular
RHCP	right-hand circular (ly) polarized
RHS	right hand side
RICC	remote instrument control center
RICMOS	Radiation Insensitive complementary metal oxide Semiconductor
RID	review item discrepancy
	Reference Identification
RIE	Remote Interface Electronics (unit)
	Remote Interface Equipment
RIO	reference identifier object
RIP	router information protocol
	routing information protocol
RIR	Release Initiation Review
RIS	retro-reflector in space
RIS24	24 Bit Raster Image Set
RIS8	8 Bit Raster Image Set
RISC	Reduced Instruction Set Computer
RIT	real-time integrated testbed
RITSS	Raytheon Information Technology and Scientific Services Corporation (formerly RSTX)
RIU	remote interface unit
RIVA	Real-Time Interactive Visualization and Analysis System
R/L	return link
RLA	repair level analysis
RLAT	Radiation Lot Acceptance Test
RLCC	remote launch control center

RLGC	Return Link Ground Communications
RLPC	Return Link Physical Channel
RLPF	Return Link Processing Function
RLPP	Return Link Physical Port
RLRA	reflectivity level reference altitude
RLSS	Return Link Service Session
RM	Retrieval Manager
	Risk Manager
RMA	reliability, maintainability, availability
	Retrieval Manager Administrator
RMC	Relay Matric Control
RMI	Java Remote Method Invocation
RMM	risk mitigation model
RMO	Resident Management Office
RMON	remote monitor (SNMP)
RMP	risk management panel
	risk management plan
RMS	resource management software
	resource management subsystem
	root mean squared
RMT	Risk Management Team
R&O	Routing and Operations
ROB	reassignment opportunity bulletin
ROCSAT-1	Republic of China SATellite – Flight 1
ROD	Read-Out Discipline
ROG	reactive organic gases
ROI	return on investment
	region of influence
ROLAP	Relational OLAP
ROM	read only memory
	rough order of magnitude
ROR	Read Out Register
ROSE	Request Oriented Scheduling Engine
	remote operations service element
ROTSE	Robotic Optical Transient Search experiment
RPAF	relative product access frequency
RPC	remote procedure call
	remote processing computer
RP-1	kerosene
rpm	revolutions per minute
RPMA	retarding potential mass analyzer
RPN	Reverse Polish Notation
RPR	Restructured Program Review
RPS	Redundant Protective System
RPV	remotely piloted vehicle
RQMNT	requirement
RR	Recharge Ratio
RRDB	recommended requirements database
RRR	Release Readiness Review
RRW	Rate random Walk
RS	radiated susceptibility
R-S	Reed-Solomon
RSA	Russian Space Agency
RSC	Raytheon Systems Company

RSD	remote sensing database
RSDO	Rapid Spacecraft Development Office
RSE	remote sensing environment
RSL	reusable software library
RSM	replication server manager
RSR	Release Specification Review
RSS	root sum squared
	remote sensing systems
RSSD	replication server system database
RST	remote science terminal
	research search tool
RSTX	Raytheon Science Technology
RSVP	resource reservation protocol
R/T	Real Time
RT	real time
	remote terminal
RTADS	real-time attitude determination system
RTC	relative time commands
	remote telemetry command
RTCP	Real-Time Control Protocol
RTCS	relative time command sequence
	real-time command sequence
rtf	rich text format
RTHET0	a subroutine which provides thermal data to MOLFLUX for contamination data
RTI	Research Triangle Institute
	Raytheon Training Inc.
Rtie	Rtworks Inference Engine
RTM	Requirements and Traceability Management
	requirements traceability matrix
	requirements traceability model
	reduced thermal model
	resin transfer molding
RTMM	Reduced Thermal Math Model
RTOP	research and technology objectives and plans
RTR	Requirements Traceability Report
RTRACE	Requirements Traceability Software
RTS	real-time subsystem
	real-time server
	relative time sequence
	remote tracking station
	real time system
RTSC	relative time sequence command
RTSP	Real-Time Streaming Protocol
RTSS	real-time system simulator
RTSW	real time solar wind
RTTY	Radio Teletypewriter
RUC	re-usable code
RUF	raw units file
RUT-T	raw units tape-TOMS
RVC	Regional Validation Center
RVTM	Requirements Verification Traceability Matrix
R/W	read/write
RW	reaction wheel
RWA	reaction wheel assembly

RWIC	Regional Weather Information Center
RXO	redundant crystal oscillator
RX/TX	Receiver/Transmitter (used on 1553B Interface)
RZS	range zero set

- S -

S	structurally
S ²	system-of-systems
S&E	scheduling and execution
S&R	search and rescue
S2000	Sequoia 2000 Project
Summit	Serial μ -Coded Monolithic Multi-Mode Intelligent Terminal
SA	single access
	system administrator
	selective availability (GPS)
	supportability assessment
	solar array
	single access (TDRSS)
SAA	Satellite Active Archive (NOAA)
	Solar Array Assembly
SAAL	signaling asynchronous transfer mode adaptation layer
SAB	Science Advisory Board
SAC	Security Access Controller
	Space Applications Corporation
SAD	solar array drive
SADA	Solar Array Drive Assembly
SADCO	South African Data Center for Oceanography
SADE	Solar Array Drive Electronics
SAEF-2	Spacecraft Assembly and Encapsulation Facility
SAES	solar array electrical simulator
SAF	surface and atmospheric flux
SAFARI	South Africa Fire-Atmosphere Research Initiative
SAFIRE	Spectroscopy of the Atmosphere using Far Infrared Emission
SAFISY	Space Agency Forum on the International Space Year (1992)
SAGE	Stratospheric Aerosols and Gas Experiment
SAGE III	Stratospheric Aerosols and Gas Experiment III
SAI	software action item
SAIS	Security Access Information System
SALSA	Semi-Arid Land-Surface-Atmosphere
SAM	storage/archive management
	stratospheric aerosol measurement
	system assurance manager
	sensing with active microwaves
	sun aperture mechanism
	Space-viewing Analog-electronic module (MODIS)
SAMP	Suspicious Activity Monitoring Protocol
SAMPEX	Solar Anomalous & Magnetospheric particle Explorer
SAMS	Stratospheric and Mesospheric Sounder
	support and maintenance service
	Shuttle Antenna Monitoring System
SAP	service access protocol
	service access point
	Science Advisory Panel
SAR	schedule and requests
	Synthetic Aperture Radar
	safety assessment report
	system architecture review

	software assurance requirement
	segmentation and reassembly
	schedule add request
SARA	Super Fund Amendment and Re-Authorization Act
SARB	Surface and Atmospheric Radiation Budget
SARR	Space Absolute Radiometric Reference
SARSAT	SAR satellite
SAS	Service Accounting Segment (NCC)
	spacecraft analysis software
	single attached system
	solar array simulator
	Statistical Analysis System
SAS-C	Scientific Applications Satellite - C
SASS	Subsonic Assessment
	Seasat-A Satellite-Scatterometer
	Seasat A Scatterometer System
SAT	site acceptance test
	system acceptance test
SATAN	security administrator tool for analyzing networks
SATC	Software Assurance Technology Center (GSFC)
SAVE	solar, atmospheric variability experiment
	Southern African Validation of EOS
SAVI	Soil-Adjusted Vegetation Index
SB	standby
	small business
SBA	Small Business Administration
SBCAPCD	Santa Barbara County Air Pollution Control District
SBF	Spacecraft Body Fixed
SBIR	Small Business and Innovative Research
SBIU	S-band interface unit
SBRC	Santa Barbara Research Center
SBRS	Santa Barbara Remote Sensing
SBS	Space Background Simulator
	Smart Battery Systems
SB/SDB	small business/small disadvantaged business
SB/SDBC	Small Business/Small Disadvantaged Business Concern
SBSRV	Subscription Server
SBT	S-band Transponder
	Subscription Tool
SBUV	Solar Backscatter Ultraviolet
SBUV/2	Solar Backscatter Ultraviolet Spectrometer/2
S/C	spacecraft
	subcontract
SC	Solar Diffuser Calibration
	spacecraft
SCA	System Concept Analysis
	Snow-Covered Area
SCAMA	Station Conferencing and Monitoring Arrangement
SCANSAR	Scanning Synthetic Aperture Radar
SCANSCAT	Scatterometer (dual pencil-beam), Advanced Scatterometer for Studies in
	Meteorology and Oceanography
SCAR	Spacecraft Core Activity Request
SCARAB	Scanner for the Radiation Budget
SCARABE	Scanner Radiation Budget Experiment

SCAR-B	Smoke, Clouds, and Radiation-Brazil
SCAT	scatterometer
SCB	Schedule Control Board
SCCAB	South Central Coast Air Basin
SCC	spacecraft control computer Spacecraft Computer
SCCS	source code control system
SCD	Source Control Drawing Small Conversion Device
SCDM	Scan Mirror/Chopper Drive Module
SCDO	Science and Communications Development Office (ECS)
SCDR	System Critical Design Review
SCE	software configuration engineer spacecraft command encoder secondary converter electronics
SCF	science computing facility
SCG	Space Communication Group
SCH	contact schedule message
SCI	science
SCIAMACHY	Scanning Imaging Absorption Spectrometer for Atmospheric Cartography
SCICEX	Submarine Arctic Science Cruise (Program)
SCID	Spacecraft Identifier Spacecraft Identification
SCIF	Spacecraft Interface
SC-IGBP	Scientific Committee for the IGBP
SCIGN	Southern California Integrated GPS Network
SCIL	software critical items list
SCISSAP	Southern Center for the Integrated Study of Secondary Air Pollutants
SCITF	spacecraft integration and test facility
SCL	scheduling class libraries spacecraft command language
SCM	software configuration management solar constant monitor schedule confirmation message Supply Chain Management
SCMP	software configuration management plan
SCN	specification change notice software change notice
SCN DIR	scan direction
S'COOL	CERES Students' Cloud Observations On-Line
SCOPE	Scientific Committee on Problems of the Environment
SCOR	Scientific Committee for Oceanographic Research
SCORE	Satellite Cost Reduction Study
SCP	standard control processor spacecraft processor spacecraft control processor secure copy
SCR	Segment Completion Review system concept review scripting sustainable cell rate
SCS	Spacecraft Checkout Station (AM-1) Spacecraft Service Session Spacecraft Contact Session

	scene creation subsystem
	stored command sequence
SCSI	Small Computer System Interface
SCSMEX	South China Sea Monsoon Experiment
SCT	spacecraft time
	system confidence test
SCTGEN	simulated CCSDS telemetry generator
SCTP	Screened Twisted Pair
SCTS	space cargo transportation system
SCW	Single Command Write
sd	standard deviation
SD	space division
	solar diffuser
	standard deviation
SDA	Solar Diffuser Assembly
SDB	Small Disadvantaged Business
	Spacecraft Database
SDBC	Small Disadvantaged Business Concern
SDC	Standard Propulsion Components
SDCS	SAR Data Catalog System
SDD	software design document
	System Description Document
	system design document
	solar diffuser door
SDDU	Science Data Distribution unit
SDE	software development environment
	software design environment
	science data engineering
	spatial database engine
SDF	software development facility
	software development file
	software development folder
SDF/Sim	Software Development Facility/Simulator
SDH	Synchronous Digital Hierarchy
SDK	Software Developer's Kit
SDL	software development library
SDM	Serial Digital magnitude
SDN	schedule delete notification
SDOC	science data operations center
SDP	science data plan
	software development plan
	standard data processor
	system development plan
	science data processing
	system definition phase
SDPF	science data processing facility
	Sensor Data Processing Facility (GSFC)
SDPRB	Standard Data Products Resources Board
SDPRRB	Standard Data Products Resource Requirements Board
SDPS	Science Data Processing Segment (ECS)
	science data production system
SDPS/W	science data processing software
	science data production software
SDPSW	science data production software

SDPTK	Science Data Processing Toolkit
	SDP Toolkit CSCI
SDR	Sensor Data Record (JPL)
	System Design Review
	Software Design Review
	schedule delete request
SDRD	subcontract data requirements document
SDRI	Science Data Ready Indicator
SDRL	subcontract data requirements list
SDRP	Source Demand Routing Protocol
SDS	science data standards
	system design specification
	scientific data sets
SDSD	Satellite Data Services Division
SDSI	Simple Distributed Security Infrastructure
SDSL	Symmetric DSL
SDSM	Solar Diffuser Stability Monitor
SDSO	Space Data Systems Office
SDSRV	science data server
	science data server CSCI
SDST	Science Data Support Team
SDT	segment design teams
SDTS	spatial data transfer standard
SDU	service data unit
	software development unit
SDUF	software development and upgrade facility
SDV	Software Development and Validation
SDVF	software development and validation facility
	Sensor Data Validation Facility
	SMC Service Management Center
S&E	Specs and Bodies
	Science and Engineering
SEF	Sustaining Engineering Facility
S&EG	Space and Electronics Group
SE	systems engineering
	system engineer
	support equipment
	single event (upset)
SE&I	system engineering and integration
SEA	Shunt Element Assemblies
SEAL	simple and efficient adaption layer
SEAS	Systems, Engineering, and Analysis Support (contract)
SEASAR	sea synthetic aperture radar
Seasat	Sea Satellite
SEASTAR	spacecraft flying SeaWIFS
SeaWiFS	Sea-Viewing Wide-Field Sensor
SeaWinds	SeaWinds Scatterometer (for flight on ADEOS II)
SEB	Source Evaluation Board
	Single Event Burn-out
	Surface Energy Balance
SEBAL	Surface Energy Balance
sec	second
SEC	Science Executive Committee
	south equator crossing

	sustaining engineering capability
	Single Edge Connect
SECDEC	Single Error Correction Double Error Code
SECDED	single-bit error correction with double-bit error detection
	single error correction, double error detection
SECO	second engine cut off
SED	Systems Engineering Department (ECS)
SEDAC	Socio-Economic Data and Applications Center (CIESIN)
SEE	Single Event Effect
SEER	system evaluation and estimate of resources
SEF	Sustaining Engineering Facility (EDOS)
	Subjective Evaluation Form
SEGR	Single Event Gate Rupture
SE&I	System Engineering and Integration
SEI	Software Engineering Institute
SEI&T	system engineering, integration, and test
SEIO	Systems Engineering and Integration Office
SEL	selection
	single event latch-up
SELV	small expendable launch vehicle
SEM	system element management
	space environmental monitor
	scanning electron microscope
	space experiment module
	system engineering manager
SEN	Software Engineering Notebook
SEO	sustaining engineering office
	Systems Engineering Office
SEP	systems engineering plan
	Support Electronics Package
SEPG	Software Engineering Process Group
SEQ	sequence
SER	System Engineering Report
SE/RC	System Evolution/Release C (ECS)
SERC	Science and Engineering Research Council (UK)
SERT	Systems Engineering Review Team
SES	scheduling and execution subsystem
	solid earth science
SESAME	Second European Stratospheric Arctic and Mid-Latitude Experiment
SESPD	Space and Earth Science Programs Directorate (JPL)
SET	Secure Electronic Transaction Specification
SEU	Single Event Upset
SFDU	Standard Formatted Data Unit
SFE	Science Formatting Equipment (AM-1)
SFM	Spacecraft Fault Management
	System Fault Manager
SFOS	spacecraft flight operations services
SFR	software failure report
SFTP	Simple File Transfer Protocol
	Secure-FTP
SG	signal generator
S-GCOS	space-based global change observation system
SGI	Silicon Graphics, Inc.
SGLT	Space-Ground Link Terminal

SGML	standard generalized markup language
SGP	Southern Great Plains
SGS	Svalbard Ground Station
	Spitzbergen Ground Station (Norway)
SH	Safety Hazard
SHA-1	Secure Hash Algorithm 1
SHADOZ	Southern Hemisphere ADditional OZonesondes Project
SHEBA	surface heat budget in the Arctic
SHEDS	spacecraft hardware environmental test database system
SHO	service schedule order
	Spacecraft handover
	scheduling orders
SHP	safehold package
SHPO	State Historic Preservation Officer
SHS	second half scan error
S-HTTP	Secure Hypertext Transfer Protocol
SI	System International d'Unites (international system of units)
	system integrator
	solar influences
	system instrument
	Smithsonian Institution
	scientific instrument
	subinterval
	ERSDAC ASTER GDS System Integrator contractor (JGI)
SIAT	Spacecraft & Instrument Activation Test
SiB	Simple biosphere Model
SIC	standard interface connector
	standard industrial classification
	support identification code
SID	Space Industry Division (Japan MITI)
	System Interface Document
SIDT	Server Interconnection Diagramming Tool
SIFP	system implementation and facility plan
SIG	special interest group
	System Integration Group
SIIS	Spacecraft/Instrument Interface Simulator
SIL	Solid Immersion Lens
SIM	simulated
	Single Interface Module
	Subscriber Identity Module
	Spectral Irradiance Monitor
SIMBIOS	Sensor Intercomparison and Merger for Biological and Interdisciplinary Oceanic Studies
SIMD	single instruction, multiple data
SIMM	Single In-line Memory Module
SIMMS	Scalable Integrated Multi-Mission Simulator
SIMIP	Sea Ice Model Intercomparison Project
SIMS	simulations
SINDA	System Improved Numerical Differencing Analyzer
SIO	System Integration Organization
	Scripps Institution of Oceanography
	Serial Input Output
SI&P	system integration and planning
SIP	system implementation plan

SI&PO	System Integration and Planning Office
SIPO	Systems Integration and Planning Office
SIPS	Science Investigator-led processing System
SIR	Spaceborne Imaging Radar shuttle imaging radar sustained information rate supplier information request
SIR-B	Shuttle Imaging Radar-B
SIR-C	Spaceborne Imaging Radar-C Shuttle Imaging Radar-C
SIR-C/X-SAR	Spaceborne Imaging Radar-C/X-band SAR
SIRD	support instrumentation requirements document system interface requirements document
SIRF	Scatterometer Image Reconstructive Filtering
SIRU	Space Inertial Reference Unit (Delco)
SIS	Spacecraft Interface Simulator (also SIIS) Stored Instruction Sequence
SISEX	shuttle imaging spectrometer experiment
SISP	surface imaging and sounding package
SISS	Software Implementation Support System
SISTER	Summer Institute in Science, Technology, Engineering and Research
SIT	system implementation team system integration test file extension for compressed Stuff-It files (Macintosh)
SI&T	system integration and test
SI&TO	System Integration and Test Organization
SITUPS	Spatial integrity Thresholding of Urban Polygons
SITWG	System Integration and Test Working Group
SITP	system integration test plan
SKIP	Simple Key Management for Internet Protocol
SKP	stationkeeping platform
SL3	sensitivity level 3
SL	scan line Science Liaison
SLA	Shuttle Laser Altimetry Service Level Agreement
SLAM	spacecraft loads and acoustics measurements
SLAMS	state and local air monitoring system
SLAN	support LAN
SLAP	space link access protocol
SLAR	Side-looking Airborne Radar
SLC	space launch complex Spacecraft Launch Complex
SLC-2W	space launch complex - 2 west
SLC-4E	space launch complex - 4 east
SLD	second level destination scan line data
SLE	single loss expectancy
SLF	space launch facility
SLIES	stratospheric limb infrared emission spectrometer
SLIP	serial line internet protocol
SLO	scan line offset
SLOC	single lines of code source line of code

SLR	Satellite Laser Ranging System Level Review Service Level Report
SLS	second-level source
SLTP	System Level Test Procedure
SLV	standard launch vehicle
S&M	Structures and Mechanisms
SM	subcontract manager structure and mechanisms specification manual site manager
S&MA	Safety and Mission Assurance
SMA	S-band multiple access Safety and Mission Assurance Semi-Major Axis
SMAF	S-band multiple access forward
SMAP	Software Management Assurance Plan Software Management Acquisition Plan
SMAR	S-band multiple access return
SMC	system monitoring and coordination center system management center service management center safe mode controller Small Magellenic Cloud
SMCI	system management configuration item
SMD	Standardized Manufacturing Device Standardized Manufacturing Drawing
SMDS	Switched Multimegabit Data Service synchronous multi-megabit data service
SME	solar mesosphere explorer subject matter expert
SMEX	Small Explorer
smf	collection of utilities and library routines used for generating SMFs and manipulating SMF-defined status values and messages
SMF	status message file system management function status message facility
SMIL	Synchronized Multimedia Integration language (XML-based for audio and video)
S-MIME	Secure MIME
S/MIME	Secure MIME
SMIP	Seasonal Model Intercomparison Project
SMIU	safe mode interface unit
SMM	solar maximum mission Shuttle Mission Manager
SMM/I	Special Sensor Microwave/Imager
SMMR	Scanning Multichannel Microwave Radiometer
SMO	subcontract management office systems management office
SMOBA	Stratosphere Monitoring Group Ozone Blended Analysis
SMON	status monitor
SMP	shared memory processors software management plan symmetric multi-processor

	symmetric multiprocessing
	safe mode processor
	systems management policy
SMPMD	Storage Management Pull Monitor Database
SMR	System Management Review
	Specialized Mobile Radio
SMRM	solar maximum repair mission
SMRWG	Science and Mission Requirements Working Group
S&MS	Structures and Mechanisms Subsystem
SMS	Structures and Mechanisms Subsystem (AM-1)
	Short Messaging Service
SMS/GOES	synchronous meteorological satellite/geostationary
SMSB	System Management Status Briefing
SMT	station management
	Surface Mount Technology
	Session Management Tool
SMTP	simple mail transport protocol
	simple mail transfer protocol
SMTS	Space Missile Tracking System
SMUX	Simple Network Management Protocol Multiplexing
SMVGEAR	Sparse-Matrix Vectorized Gear Code
SN	space network
S/N	signal to noise ratio
S/N ₀	signal-to-noise density ratio
SNA	Systems Network Architecture
SNAP	subnetwork access protocol
SNC	space network control
SNCC	Space Network Control Center
SNDP	subnetwork dependent convergence protocol
SNEWS	Secure News Server (Internet)
SNICP	subnetwork independent convergence protocol
SNM	Systems and Network Management
SNMP	simple network management protocol
SNOE	Student Nitric Oxide Explorer
SNOTEL	Snow-Water-Equivalent Telemetered Data
SNR	signal-to-noise ratio
SO	Scheduling Operator
	Still Open
SOAR	spacecraft orbital anomaly report
SOC	simulations operations center
	space operations center
	status of charge
SOCC	Science Operations Control Center
SODR	spaceflight optical disk recorder
SOE	spacecraft operations exercise
SOFT	Software Operations Focus Team
SOGS	science operations ground station
SOH	State of Health
SOHO	Solar and Heliospheric Observatory
SOI	southern oscillation index
SOIs	Software Operating Instructions
SOLAR	NASA Site for On-Line Learning Resources
SOLAS	Surface Ocean Lower Atmosphere Study
SOLCON	solar constant radiometer

SOLSE	Shuttle Ozone Limb Sounder Experiment
SOLSPEC	solar spectrum radiometer
SOLSTICE	Solar Stellar Irradiance Comparison Experiment
SOM	system operations manager
	shop order manager
	space oblique mercator
	science operations manager
	system object model
SOMO	Space Operations Management Office
SONET	synchronous optical network
SONEX	subsonic ozone and nitrogen experiment
SOO	Science Operations Office
SOP	system operations plan
	standard operating procedures
	start of packet
SOP/LOP	Standard Operating Procedure/Local Operating Procedure
SOR	System Operations Review
SORCE	Solar Radiation and Climate Experiment
SORD	system operations requirements document
SORR	Segment Operational Readiness Review
SOS	Southern Oxidants Study
	Software Only Simulator
SOTA	special operations and test area
SOW	statement of work
SOWG	Science Operations Working Group
SP	service protocol
	scenario primitive
SPADE	Stratospheric Photochemistry, Aerosols and Dynamics Expedition
SPAM	Spectral Analysis Manager (EDC)
SPAN	Space Physics Analysis Network
SPANS	simple protocol for asynchronous transfer mode network signaling
SPAR	STS payload assurance requirements
SPARC	single processor architecture
	stratospheric processes and their role in climate
SPC	stratospheric polar clouds
	satellite processing center
	serial processor control
	standard propulsion components
SPCR	Software Problem/Change Report (similar to ECR but for software)
SPCS	state plane coordinates spheroid
SPCZ	South Pacific Convergence Zone
SPDB	science processing database
SPE	Sensor Processing Electronics
	Solar Particle Event
SPEC	specification
SPF	software production facility
	single point of failure
SPG	Single Point Ground
SPI	schedule performance index
SPIE	Society for Photo-Optical Instrumentation Engineers
SPIF	Shuttle POCC Interface Facility
SPIN	Scheduling and Planning Information Network
SP&IO	Sensor Processing and I/O Electronics (CERES)
SPL	science processing library

SPM	Sun Pointing Mode
	Signal Processing Module
SPN	shared processing network
SPOC	Science Planning and Operations Center
SPOD	Suborbital Projects and Operations Directorate
SPOT	Système pour l'Observation de la Terre (France)
SPR	software problem report
	software production research
	science processor (workstation)
SPRHW	science processing hardware [configuration item]
SPS	SAR Processing System (ASF)
	Service Planning Segment (NCC)
	software program specification
	serial processor sensor
SPSC	science processing support center
SPSH	sun pointing safehold
SPSO	Science Processing Support Office
SPSR	Service Planning Segment Replacement
SPSS	science processing software segment
	science planning and scheduling system
Sq	square
SQA	software quality assurance
SQL	structured query language
SQPN	staggered quadriphase pseudo-random noise
SQPSK	Staggered Quadra-Phase Shift Keying
SQR	SQL Report Writer
SQRT	Square Root
SQS	spatial query server
SR	sun rise
	steradian
SRA	Slip Ring Assembly
	Site Readiness Assessment
SRAM	Static RAM
SRB	systems review board
	software review board
	surface radiation budget
	service request bit
SRBEX	Susquehanna River Basin Experiment
SRCA	Spectro-Radiometric Calibration Assembly
SRD	system requirements document
SRE	state recognition engine
SREM	software requirements engineering methodology
SRF	service request framework
SRL	shuttle research laboratory
SRM	solid rocket motor
	system resource model
	schedule request message
	schedule result message
SRM&QA	Safety, Reliability, Maintainability, and Quality Assurance
SRMU	solid rocket motor upgrade
SRO	Standing Room Only
SRP	Science Review Panel
	Standard Repair Procedure
SRR	System Requirements Review

	Software Requirements Review
	Site Readiness Review
	schedule result request
SRRD	raw data shipment report
SRS	software requirements specification
	scene request subsystem
SRT	system readiness test
	slow run through
	science review team
SRTM	Shuttle Radar Topography Mission
SRW	System Requirements Walkthrough
S/S	subsystem
SS	space station
	sun set
	System Storage
	seconds, two digit format
SSA	S-band single access
	solid state altimeter (see EOS ALT)
	sun sensor assembly
SSAF	S-band single access forward
SSALT	Solid State Altimeter
SSAP	Science Software Archive Package
SSAR	S-band single access return
SSB	space studies board
SSBUV	shuttle solar backscatter ultraviolet
SSC	science steering committee
	Stennis Space Center
	Source Sequence Count
SSCD	SDV Software Concept Document
SSD	Space Services Director
SSDD	system/segment design document
SSDM	SEAS System Development Methodology
SSDO	Science Systems Development Office
SSE	software support environment
SSEC	Space Science and Engineering Center (University of Wisconsin)
SSEF	Spacecraft Sustaining Engineering Facility
SSEP	science software executable package
SSER	simulation and sustaining engineering room
SSF	Scripps Satellite Facility
	Space Station Freedom
	System Support Function
	Single Satellite Footprint (CERES)
SSFM	Subsystem Fault Management
SSFMB	Space Station Freedom Manned Base
SSG	science steering group
SSH	Secure Shell
SSHA	system safety hazard analysis
SSI	science support interface
SSI&T	science software integration and test
SSIT	Science Software Integration and Test
SSIL	security-sensitivity items list
SSIM	spacecraft simulator
SSIP	system safety implementation plan
SSL	secure socket layer (protocol)

SSM	spacecraft systems manager
SSM/I	Special Sensor for Microwave/Imager
SSM/T	Special Sensor Microwave/Temperature Sounder
SSO	Single Sign-On
SSP	Service Support Plan
	SeaWinds standard products
SSPA	solid-state power amplifier
SSPF	Space Station Processing Facility
SSPP	system safety program plans
	solar stellar pointing platform
SSPO	Space Station Program Office
SSR	solid state recorder
	System Software Review
	System Specification Review
	System Safety Review
	Software Specification Review
	System Study Review
SSRP	Science System Release Plan
SSRR	Software System Requirement Review
SSS	software segment specification
	subinterval staging subsystem
SSSG	Science Scheduling Support Group (US and Japan)
SSSM	science software systems manager
SSST	solid state star tracker
SST	sea surface temperature
SSTI	Small Spacecraft Technology Initiative
	Smallsat Technology Initiative
SSTRAT	stratospheric tracers of atmospheric transport
SSU	stratospheric sounding unit
	sequential shunt
SSW	sudden stratospheric warming
ST	switchover time
	star tracker
	science team
STA	Science and Technology Agency (Japan)
	Star Tracker Assembly
	Station (a mechanical position on the launch vehicle longitudinal axis – usually in inches)
STAAC	Systems Technology and Advanced Concepts Directorate
STAJ	Science and Technology Agency of Japan
STAR	Science Team Acquisition Request
START	System for Analysis, Research and Training
STC	system test controller
	system test console
	system test computer
STCF	short term data capture function
STD	software test document
	software test description
std	standard
STDN	Spaceflight Tracking and Data Network
STDN CTV	STDN Compatibility Test Van
STDN/DSN	Spaceflight Tracking and Data Network/Deep Space Network
STDS	short-term data storage
STE	special test equipment

	state transition engine
	system test equipment
STEDI	Student Explorer Demonstration Initiative
STEP	Space Test Experiment Platform
ster	Steradian
STF	software turnover forum
	software turnover form
STGS	station status info
STGT	Second TDRSS Ground Terminal
STI	Scientific and Technical Information
STIKSCAT	Stick Scatterometer
STIM	Sensor Stimulus
STIP	short-term instrument plan
STK	StorageTek
	Satellite Tool Kit
STL	Science and Technology Laboratory
	systems technology laboratory
STM	synchronous transfer mode
	structural test module
STMGT	storage management
	storage management software CSCI
STOL	System Test and Operations Language
STOP	short-term operations plan
STP	software test plan
	short-term plan
	system test plan
	system test procedure
	Startup/Terminate Program
	Standard Temperature and Pressure
StP	software through pictures
StP/OMT	Software Through Pictures/Object Modeling Technique
STPS	summary task planning sheets
	Simulated Telemetry Processor System
	Software Telemetry Processor System
STR	system test review
	software trouble report
STRAT	statospheric tracers of atmospheric transport
STREX	Storms Response Experiment
STRS	System Technical Requirements Specification (OMI)
STRW	System Test Readiness Walkthrough
STS	space transportation system
	Short Term Schedule
	scene transfer subsystem
STS-3c	synchronous transport system - level 3 concatenated
STY	study
SU	Sensor Unit
SU#1	System Upgrade #1
SUB-MM	sub-millimeter spectrometer
SUCCESS	Subsonic aircraft: Contrail and Clouds Effects Special Study
SUI	sensitive unclassified information
SUM	Single Event Upset Monitor (TEDA)
SUN	Sun Microsystems Inc.
SUNY	State University of New York

SUN-WS	Sun Work Station
SUPIDEN	support identifier
SURFRAD	Surface Radiation (NOAA)
SUROM	Start-Up Read Only Memory
SUSIM	Solar Ultraviolet Spectral Irradiance Monitor
SUST	sustained
SUSTS	SN users' simulation and test system
SV	space vehicle
	system verification
	state vector
	space view
SVA	Svalbard
SVAT	System Verification/Acceptance Testing
SVC	switched virtual circuit
SVD	system verification diagram
	Space View Door (MODIS)
SVF	shuttle vibration forces
SVGA	Super Video Graphics Array (IBM)
SVI	Spectral Vegetation Indices
SVP	switched virtual path
SVS	Space View Source (MODIS)
S/W	software
S/WA	software assurance
SW	switch
	Science Workstation
	swath
SWAMP	Science Working Group for the AM Platform
S-WAN	Secure WAN
S/WAN	Secure WAN
SWAP	Simple Workflow Access Protocol
SWAR	software acceptance review
SWCDR	software critical design review
S/WCI	software configuration item
SWCR	software concept review
SWCRF	SW Cloud Radiative Forcing
SWE	Snow Water Equivalent
SWG	science working group
SWICD	Software Interface Control Document
SWIL	System Wide Interface Layer
SWIR	Short Wave Infrared
SWIRLS	Stratospheric Wind Infrared Limb Sounder
SWIT	software integration test
SW/LW	Software/Long Wave
SWO	Security Watch Operator
SWPDR	software preliminary design review
SWRR	software requirements review
SWS	Sea Winds
SWTR	software test readiness review
SWT	Science Working Team
SXI	Solar X-Ray Imager
SYNC	Synchronization marker (first 32 Bits in a CADU)
SYS	system
SYSLOG	System Log

- T -

T	temperature
2D	two dimensional
3D	three-dimensional
4DDA	4-Dimensional Data Assimilation
3GL	third generation language
T1	T1 data link, 1.5 Mbps bandwidth
T3	T3 data link, 50 Mbps bandwidth
T ³	train-the-trainer
T&C	telemetry and command
T&CC	Telemetry and Command Console
TAC	technical advisory committee
	test analysis controller
	template alignment cube
	Telemetry and Command Computer
TACH	Tachometer (WDE)
TAD	Technology Architecture Division
	Telemetry Allocation Document
TAE	Transportable Applications Executive, Computer User Interface
	transportable applications environment
TAG	Technical Assistance Group
	tested and guaranteed
TAI	International Atomic Time
TAM	three-axis magnetometer
	technical analysis memorandum
	Triaxial magnetometer
TAO	TOGA Automated Observation
	Tropical Atmosphere Ocean
TAP	10 ¹² actions per second
TAPI	Telephone API
TAR	technical analysis report
tar	Tape Archive (UNIX)(file extension for archived file)
tar.Z	Compressed tar file (UNIX)
TARA	Two-axis Reference Assembly (Kerfott Gyro Assembly Model)
TARS	Test and Analysis Reporting System
TARFOX	Tropospheric Aerosol Radiative Forcing Experiment
TAS	technology, applications and science
TAT	Technical Assessment Team
	antenna temperature tape
TAVIS	TAVIS (a company producing Pressure Transducers)(PS)
TAXI	Transparent Asynchronous Transmitter/Receiver Interface (a chip for high rate data transfer)
TB	terabyte (10 ¹²)
TBA	to be assigned
TBC	to be confirmed
	to be continued
	to be completed
TBD	to be determined
	to be defined
TBN	To Be Numbered

TBR	to be resolved to be reviewed to be replaced
TBS	to be supplied
TBSW	Test Bed Software
TBV	to be verified
TBW	to be written
Tbyte	terabyte
TC	thermal control telecommand
TCA	Thrust Chamber Assembly
TCC	Temporary Control Center
TCD	test capability delivery
TCL	timeline class libraries Thermal Control Locations
TCO	Total Cost of Ownership
TCP	transport control protocol transmission control protocol Tropospheric Chemistry Program
TCP/IP	transmission control protocol/internet protocol
TCS	Thermal Control Subsystem (AM-1)
TCTF	Telecommand Transfer Frame
TCTF-ID	Telecommand Transfer Frame Identifier
TCTS	Telemetry and Command Test Set
TCXO	temperature controlled crystal oscillator temperature compensated crystal oscillator
TD	technical direction target day time date conversion test director task descriptor
T&DA	tracking and data acquisition
TDAC	Tracking, Data Acquisition, and Communications
TDB	Barycentric Dynamical Time
T/DC	time/date conversion
TD&D	technical data and documentation
TDD	Telecommunication Device for the Deaf
TDE	Torque Drive Electronics
TDF	telemetry data formatter
TDM	Test Data Management time division multiplexing
TDMA	time division multiple access
TDP	technical data package Tabular Datastream Protocol
TDR	temperature data records tracking and data relay test discrepancy report
TDRS	Tracking and Data Relay Satellite
TDRS-E	Tracking and Data Relay Satellite - East (longitude)
TDRSGS	TDRS Ground Station
TDRSS	Tracking and Data Relay Satellite System
TDRS-W	Tracking and Data Relay Satellite - West (longitude)
TDSWG	Test Data Set Working Group
TDRS Z	Tracking and Data Relay Satellite Zoe

TDS	TDRS-spare
TDT	terrestrial dynamical time
TDU	telemetry data unit
TDZ	TDRS Z
TE	Test Executable
T/EC	Tivoli Enterprise Console
TEC	Tivoli Enterprise Console
TECH	technology
TED	total energy detector
TEDA	Technical Data Acquisition Equipment (ADEOS)
TEEGIS	TRMM End-to-End Ground Information System
TEI	Text Encoding Initiative (pre-Web)
TEK	Tektronics (a company)
TELNET	telecommunication network
TEM	Terrestrial Ecosystem model
TEP	TOMS Earth Probe
Terra	formerly called the AM Project (under the Earth Science Enterprise Program)
TERRIERS	Tomographic Experiment Using Radiative Recombinative Inospheric EUV and Radio Sources
TERSE	tunable etalon remote sounder of earth
TES	Tropospheric Emission Spectrometer
	temperature and emissivity spearation algorithm
	temperature-emissivity separation
TESS	Terra End-to-End Science System
T&F	time and frequency
TF	transfer frame
	transfer function
TFA	Transfer Frame Assembly
TFB	Time Frequency Bus
TFEC	Transfer Frame Error Control
TFG	transfer frame generator
TFN	transfer frame (switching) network
TFOV	Thermal Field of View
TFT	Thin Film Transistor
Tg	glass transition temperature
TGDDIS	Trace Gas Dynamics Data and Information System
TGM	trace gas model
TGS	ticket granting service
	time generation system
TGSS	TONS Ground Support System
TGT	TDRSS Ground Terminal (replace by NGT)
	ticket granting ticket
TH	Thermal Hardware
	Technical handbook
THC	total hydrocarbons
THESEO	Third European Stratospheric experiment on Ozone
THF ₄	thorium fluoride
THIR	Temperature/Humidity Infrared Radiometer (Nimbus)
THM	Terrestrial Hydrology Model
TIA	Thanks In Advance (email)
	The Internet Adapter
TIB	Test Interface Board
TICD	Thermal Interface Control Drawing

TICTOC	Test, Integration and Certification Test Oversight Committee
TID	Thermal Interface Drawing Thermal Interface Document
TIE	Transponder Interface Electronics
TIEnet	TRW Information Exchange Network
TIFF	Tagged Image File Format
TIGER	Thermal Infrared Ground Emission Radiometer
TILDAS	Tunable Infrared laser Differential Absorption Spectrometer
TIM	technical interchange meeting technical issue memorandum
TIMED	Thermosphere, Ionosphere, Mesosphere, Energetics, Dynamics
TIMS	Thermal Imaging Spectrometer technical information management system
TIP	Technical Information Program
TIR	thermal infrared thermal infrared radiometer
TIROS	Television Infrared Observation Satellite
TISA	Temporal Interpolation and Spatial Averaging Time Interpolation and Spatial Averaging
TISF	tape inventory sequential files (GSFC)
TIV	Titan
TK	toolkit
TKE	Thermal Knife Electronics
T/L	talk/listen
TL	team leader top level
TLA	Three-Letter Acronym
TLCF	team leader computing facility
TLD	Terry L. Dunbar (name of compiler and company)
TLI	Transport Library Interface
TLM	telemetry [subsystem]
TLS	Transport Layer Security
T&M	time and materials
TM	team member Thematic Mapper (Landsat) technical memo tranverse mercator technical manager Trademark
TMCF	team member computing facility
TMDB	technical management database (ECS) test management database
TME	Tivolo Management Environment
TM&F	Time Mark and Frequency
TMF	Time Marked Frequency
TMI	TRMM Microwave Imager
TMIS	technical management information system
TML	total mass loss
TMN	Telecommunications Management Network
TMON	telemetry monitor
TMP	Transportation Management Plan
TMR	TOPEX Microwave Radiometer
TMS	thematic mapper simulator
TMT	transition management team

TMWG	Test Methodology Working Group
TN	TDRSS network transmittal notice technical note
TNA	TDRSS Network Analyst
TNS	TDRSS network system
TO	technical officer
TOA	top of the atmosphere
TOC	Table of Contents
TOD	True of Date Time of Day
TOGA	Tropical Ocean Global Atmosphere
TOGA/COARE	TOGA/Coupled Ocean Atmosphere Response Experiment
TOMS	Total Ozone Mapping Spectrometer Total Ozone Mapping Spectrolab
TOMS-EP	Total Ozone Mapping Spectrometer-Earth Probe
TOMUIS	3-d ozone mapping with ultraviolet imaging spectrometer
TONS	TDRSS On-board Navigational System
TOO	target of opportunity
TOP	Terrestrial observation panel
TOPEX	Topography (ocean) Experiment (joint US-France)
TOPORAD	(model)
TOPS	Tape Order Processing System (LaRC)
TOPSAR	Topographic Synthetic Aperture Radar
TOTE	Tropical Ozone Transport Experiment
TOTS	transportable orbital tracking system
TOVS	TIROS Operational Vertical Sounder Television and Infrared Observation Satellite Operational Vertical
TOY	time of year
TP	technical paper Transaction Processing
TPB	terminated polybutadiene
TPCE	telemetry processing control environment
TPF	two phase flow
TP FEM	Two Phase Finite Element Model
TPFO	TOPEX follow-on flight
TPI	Tracks Per Inch
TPM	technical performance measurement technical performance monitoring
TPOCC	Transportable Payload Operations Control Center
TPS	test procedure report
TQCM	thermoelectric quartz crystal microbalance
TQM	total quality management
TR	tape recorder
TRACE	Tropical Atmospheric Chemistry Experiment
TRACE-A	Transport and Chemistry near the Equator over the Atlantic
TRACE-B	Transport and Chemistry near the Equator-Atlantic (2nd)
TRACER	Tropospheric Radiometer for Atmospheric Chemistry and Environmental Research
TRAGNET	united States Trace Gas network
TRAK	data request, tracking system (NSIDC)
TRAMAR	Tropical Rain Mapping Radar
TRASYS	Thermal Radiation Analyzer System
TRAYSYS	Thermal Radiation Analyzer Program

TRB	Test Review Board
TRCN	Teacher Resource Center Network
TRK	tracking
TREIC	Transamerica Real Estate Information Companies
TREM	tropical rainfall explorer mission
TRMM	Tropical Rainfall Measuring Mission (joint US-Japan)
TRIS	tropical region imaging spectrometer
TRR	Test Readiness Review
	Test Result Report
	Test Requirements Report
TRS	tape recorder subsystem
	test record sheet
TRW	Test Readiness Walkthrough
	Thompson Ramo Wooldrige (a company)
TRUST	TDRSS Resource User Support Terminal
T-S	temperature-salinity
TS	test surveillance
	Transport Subsystem (Ecom)
	thermal subsystem
	transport system
	thermally and structurally representative
TSA	time and space averaging
TSC	Tanegashima Space Center (Japan)
TSCA	Toxic Substances Control Act
TSDF	treatment, storage and disposal facility
TSDIS	TRMM Science Data and Information System
TSF	thermally, structurally, and functionality representative
TSG	Technical Support Group
TSI	total solar irradiance
TSIM	Total Solar Irradiance Mission
TSIWG	Technical Security Implementation Work Group
TSN	TRMM Science Network
TSP	Twisted Shielded Pair
TSS	TDRSS Service Session
	TDRSS Service Summary
	EOSDIS TRMM Support System
	telecommunications standards sector
	thermal synthesizer system
TST	TRMM Science Team
	TRMM science terminal
	Technology Strategy Team
TSTAT	thermostat
TSTOL	TRMM System Test and Operations Language
TSU	TRMM Science User
	TSDIS Science User
TSW	TDRSS Scheduling Window
TSWG	TRMM Science Working Group
TT	trouble ticket
TT&C	telemetry, tracking, and command
	telemetry, tracking and control
TTAU	teletex access unit
TT-GPTS	Table Top-Ground Power Test Set
T&TM	Time and Time Mark
TTL	Transistor-Transistor Electronics

TTM	time transfer message
TTR	Trouble Tracking Report
TTY	teletype
TURFTS	TDRSS user radio frequency test set
TUT	TDRSS Unscheduled Time
T/V	thermal/vacuum
TV	thermal vacuum
TVA	Tennessee Valley Authority
TVDB	test verification database
TW	target week
TWL	Total Weight Loss
TWP	Tropical Western Pacific Ocean
TWT	traveling wave tube
TWTA	traveling wave tube amplifier
TWTAS	traveling wave tube amplifier system
TXCO	temperature compensated crystal oscillator
TXT	ASCII Text
TZD	Total Zenith Delay
T-0U	T minus zero umbilical

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- U -

UA	User Agent
UABC	Universidad Autónoma de Baja California
UAF	University of Alaska, Fairbanks
UAM	Urban Airshed Model
UARP	Upper Atmosphere Research Program
UARS	Upper Atmosphere Research Satellite
UAV	unmanned aerospace vehicle
	User Antenna View
	Uncrewed Aerial Vehicles
UBR	unspecified bit rate
UC	University of California
	Upconverter
UCAID	University Corporation for Advanced Internet Development
UCAR	University Corporation for Atmospheric Research
UCE	Unit Check-out Equipment
UCLA	University of California, Los Angeles
UCS	Uniform Communications Standard
UCSB	University of California, Santa Barbara
U/D	update
UDB	User Data Base
UDF	unit development folder
UDP	user datagram protocol
	user data protocol
UDP/IP	user datagram protocol/internet protocol
UDSL	Universal DSL
UEL	upper explosive limit
UFP	URL Filtering Protocol
UFS	UNIX file system
UHF	ultra-high frequency
U/I	user interface
UIA	user interface adapter (or unit)
	unassigned integer arithmetic
UID	universal identifier
UIID	unique instrument interface document
UIL	user interface language
UINT8	8-bit unsigned integer type
UINT16	16-bit unsigned integer type
UINT32	32-bit unsigned integer type
UINT64	64-bit unsigned integer type
UIOAR	user interface off-line analysis request
UIT	User Interface Terminal (ESA)
U.K.	United Kingdom
UKMO	United Kingdom Meteorological Office
U/L	uplink
UL	Underwriters Laboratory
	upper left
UMAC	Upper Midwest Aerospace Consortium
UMCP	University of Maryland, College Park
UMGR	UPN Manager
UML	Universal Modeling Language
UMTS	Universal Mobile Telecommunications System

UNCED	United Nations Conference on Environment and Development
UN/ECE	United Nations Economic Commission for Europe
UNEP	United Nations Environmental Programme
UNESCO	United Nations Educational Scientific and Cultural Organization
UNESS	University-based Education Earth System Science
UnESS	University Earth System The Science
UNH	University of New Hampshire
UNI	user network interface
UNICOS	Unix Cray Operating System
UNIX	common operating system for scientific applications
UofT	University of Toronto
UOS	user operations support
UPD	user performance data
UPDR	User Performance Data Request
UPGD	upgrade
UPM	user performance message
UPN	unique project identifier
UPS	uninterruptable power supply
	user planning system
	user profile system
UQPSK	unbalanced quadriphase shift key/keying
UR	universal reference
	user requirement
URD	User requirements Document
	upper right
URDB	user registration DB
	user recommendation database
URF	user request file
URFA	user request file acknowledgment
URISA	Urban and Regional Information Systems Association
URL	uniform resource locator
	Universal Resource Locator
	universal reference location
	universal reference locator
URN	Uniform Resource Name
UR/PT	User Registration/Profile Tool
URT	User Registration Tool
U.S.	United States
US	user station
	Unsigned
USAF	United States Air Force
USB	Universal Serial Bus
USCCS	user spacecraft clock calibration system
USDA	United States Department of Agriculture
USDC	United States Department of Commerce
UserDIS	User Data Information System
USFC	United States Forest Service
USFWS	U.S. Fish and Wildlife Service
USGCRP	U.S. Global Change Research Program
USGS	U.S. Geological Survey
USM	user schedule message
USNO	United States Naval Observatory
USO	user support office
	ultra stable oscillator

USRA	University Space Research Associates
USS	user services subsystem user services system
UT	umbilical tower universal time upper troposphere University of Texas
UTC	Universal Time Code universal time coordinated
UTCf	universal time correlation factor
UTDF	Universal Tracking Data Format
UTH	upper tropospheric humidity
UTM	universal transverse mercator
UTMC	universal time Master Clock
UTP	Unshielded Twisted-Pair
UU	Uuencoded/decode
UUID	universal unique identifier
UUT	Unit Under Test
UV	ultraviolet
UV1	1 st Ultra Violet (channel)
UV2	2 nd Ultra Violet (channel)
UV-B	Ultraviolet-B
UVISI	Ultraviolet and Visible Imagers and Spectrographic Imagers
UWA	University of Washington
UWG	users working group
UWI	University of Wisconsin
UX	UNIX/X

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- V -

V	volt
	velocity
	verified
V0	Version 0 (Version Zero; use V-0 for EDHS search)
V0.1	Version 0.1
V0 GTWY	Version Zero Gateway
V0 ODL	Version 0 Object Description Language
V1	Version 1
V2	EDOS Release Version 2, Initial operations demonstration
	Version 2
V3	EDOS Release Version 3, Operational Prototype
	Version 3
V3P	Version 3 Prototype
V4	Version 4
VA	VOB Administrator
VAC	volts, alternating current
	vacuum
VAFB	Vandenberg Air Force Base
VAN	Value-Added Network
VAP	value added provider
VAR	Value-Added Resellet
VAS	VISSR Atmospheric Sounder (GOES)
VAT	verification acceptance test
VATC	Verification and Acceptance Test Center (Raytheon @ Landover)
VAX	virtual extended address
VBD	Vector Borne Disease
VBNS	Very High-Speed Backbone Network Service
VBR	variable bit rate
VBR-NRT	variable bit rate - non realtime
VBR-RT	variable bit rate - realtime
VC	virtual channel
VCATS	Vendors Costing and Tracking System (ECS)
VCC	virtual channel connection
VCDU	virtual channel data unit
VCDU-ID	VCDU Identifier
VCHP	Variable Conductance Heat Pipe
VCI	virtual channel identifier
VC-ID	virtual channel identifier
VCID	virtual channel identification
VCGW	virtual channel gateway
VCHP	variable conductance heat pipe
VCL	vegetation canopy lidar
VCM	Volatile Condensable Materials
VCP	Virtual Control Panel
VC_PDU	Virtual Channel (Protocol) Data Unit
VCR	Video Cassette Recorder
VCRM	Verification Cross Reference Matrix
VDA	Vacuum Deposited Aluminum
VDB	Verification Database
VDC	volts, direct current
	visual database cookbook

VDD	version description document
VDE	Valve Drive Electronics
VDS	voice and data system
	vehicle dynamics simulation
VDSL	Very High-Data-Rate DSL
	voice distribution system
VDT	video display terminal
VE	verification
VEM	Vibro Elastic Material (damping treatment)
VEMAP	Vegetation/Ecosystem Modeling and Analysis Project
VER	version
VF	Valley Forge, PA
VFS	virtual file system
VGA	Video Graphics Adapter (IBM)
V&H	vertical and horizontal
VHF	very high frequency
VHRR	Very High Resolution Radiometer
VHS	vertical head synchronization
	VME high-rate subsystem
VHSIC	very high speed integrated circuit
VI	vegetation index
VIC	vehicle identification code
	Variable Infiltration Capacity
VID	video
	vehicle identification number
VIIRS	Visible and Infrared Imaging Radiometer Suite
VIMS	virtual IMS
VIP	Versatile Interface Processor
VIRGO	Variability of solar Irradiance and Gravity Oscillations
VIRR	Visible and Infrared Radiometer
VIRS	Visible Infrared Scanner (TRMM)
VIRSR	Visible Infrared Scanning Radiometer
VIS	vendor information system
	visible
VIS/IR	visible/infrared
VISSR	Visible/Infrared Spin-Scan Radiometer (GOES)
VIS-UV	Visible/Ultraviolet Spectrometer
VLAN	virtual local area network
VLBI	very long baseline interferometry
VLDB	Very Large Database
VLINK	Visited Link (HTML)
VLIW	Very Long Instruction Word
VLM	Very Large Memory
VLS	Vandenburg Launch Site
	VME low-rate subsystem
VLSI	very large scale integration
VM	Virtual Machine
	Virtual Memory
VME	versa module eurocard
VMIC	VME Microsystems International Corp (a company)
VML	Vibration Monitor Limiter
	Vector Markup Language
VMS	virtual memory system
VN	verified near-term

VNIR	visible and near infrared
V/O	Visualization Option
VOB	version object base
VOC	volatile organic compounds
	voltage open circuit
	volatile organic carbon
VOD	Video-On-Demand
VoIP	Voice over IP
VOLCAM	Volcanic Ash Mission
VOM	volt ohm meter
VOTE	Vortex Ozone Transport Experiment
VOTE/TOTE	Vortex Ozone Transport Experiment/Tropical Ozone Transport Experiment
VP	verification plan
	virtual path
VPF	vector product format
VPI	virtual path identifier
VPN	Virtual Private network
VP/VC	virtual path, virtual channel
VRAM	Video Random Access Memory
VRML	Virtual Reality Modeling Language
VS	verification specification
VSAM	Virtual Storage Access Method
VSAR	Variable synthetic aperture radar
VSAT	very small aperture terminal
VSIO	very high speed serial interface
VSS	voice switching system
V/T	Voltage/Telemetry
VT	virtual terminal
VTCW	Vehicle Time Code Word
VTIR	visible and thermal infrared radiometer
VTP	virtual terminal protocol
VTRS	Vandenberg Telemetry Receiver Site
VTs	virtual terminal service
VUE	Visible-Light/Ultraviolet Experiment
V&V	verification and validation
VVRM	verification and validation requirements matrix
VW	verified with workaround
VXI	VME bus eXtension for Instrumentation (extension of VME)
VXR	visible transfer radiometer

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- W -

W	watt
	Working
W3	World Wide Web
W3C	World Wide Web Consortium (international organization for developing Web standards)
W3J	World Wide Web Journal (published by W3C)
WA	Working Agreement
WAD	work authorization document
WAIS	wide area information server
WAN	wide area network
WAP	Wireless Access Protocol
WASDE	World Agricultural Supply and Demand Estimates
WBDCS	Wide Band Data Collection System
WBDT	Wide Band Downlink Transmitter
WBEM	Web-Based Enterprise Management
WBS	work breakdown structure
WBVT	wide band video tape
WC	WLS Calibration
WCRP	World Climate* Research Program Combined Ocean-Atmosphere Research Experiment
WCS	White Sands Complex
WCSC	Western Commercial Space Center
WDC	World Data Center
WDC-A	World Data Center-A
WDE	Wheel Drive Electronics
WDETI	Workforce Development Education and Training Initiative
WDM	Wavelength Division Multiplexing
WDT	Watch Dog Timer
WDT-O	Watch Dog Time-Out
WEFAX	weather facsimile (via geosynchronous weather satellites)
WEGENER	Working Group of European Geoscientists for the Establishment of Networks for Earthquake Research
WEPOLWX-81	Weddell Polyna Experiment
WETNET	Network for Distribution and Joint Analysis of SSM/I Data (MSFC)
WFC	Windows Foundation Class visible Wide-Field Camera
WFF	Wallops Flight Facility
WfMC	Workflow Management Coalition
WFOV	wide field of view
WFPC	wide field planetary camera
WFPS	Water-Filled Pore Space
WFW	Windows For Workgroups
WG	working group
WGD	Working Group on Data (CEOS)
WGGCR	Working Group on Global Change Research
WGISS	Working Group on Information Systems and Services
WGM	working group meeting
WGNE	Working Group on Numerical Experimentation (WCRP)
WGS	Wallops Ground System (EPGS and WPS) designator for all orbital tracking resources located at GSFC/WFF Wallops Ground Station

WGS84	World Geometric System '84
WHOI	Woods Hole Oceanographic Institute
WIDL	Web Interface Definition Language
WIL	Weilheim Ground Station
WINDII	Wind Imaging Interferometer
WINTEL	Microsoft Windows and Intel-compatible
WIPO	World Intellectual Property Organization
WIRE	Wide-Field Infrared Explorer
WK	week
WKBCH	workbench
	workbench CI
	workbench CSCI
WKSHCI	working storage hardware configuration item
WKSHW	working storage hardware
WLL	Wireless Local Loop
WLS	White Light Source
WMO	World Meteorological Organization
WN	window channel radiometric data
WOCE	World Ocean Circulation Experiment
WORM	write once read many
WORM CD	write once, read many compact disk
WOTS	Wallops Orbital Tracking Station (obsolete term)
WOTIS	Wallops Orbital Tracking Information System
WOW	Weight on Wheels
WP	white paper
	work package
WP-3	work package 3
WP-ESIP	Working Prototype - Earth Science Information Partner
WPL	Wave Propagation laboratory (NOAA)
WPS	designator for all orbital tracking resources located at GSFC/WFF
WQRC	Water Quality Conservation board
WR	Western Range
	work requests
WRKSTN	workstation
WRR	Western Range Regulations
WRS	worldwide reference system
WS	working storage
	workstation
WSC	White Sands Complex
WSG	Wallops Scheduling Group
WSGT	White Sands Ground Terminal
WSGTU	White Sands Ground Terminal Upgrade
WSMC	Western Space and Missile Center
	Western Space Missile Command
WSP	Web Standards Project
WSR	Weather Surveillance Radar
WTI	Warehouse Technology Initiative
WTO	World Trade Organization
WTR	Western Test Range
WTS	Wallops Tracking Station
WVR	Water Vapor Radiometer
WVU	West Virginia University
WWW	World Wide Web
	World Weather Watch

WYSIWYG

What You See Is What You Get

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- X -

X	X protocol
X.400	OSI standard for mail services
X.500	OSI standard for directory services
XA	X/Open API
xAR	x Acquisition Request (where x is a generic acquisition request)
X-Band CTV	X-Band Compatibility Test Van (a JPL van used to verify X-Band compatibility)
XBDS	Bulk Data Service Protocol
XBT	Expendable BathyThermograph
XDR	external data representation eXternal Data format
XDS	X/Open Directory Service
XF	transfer frame transformer (used on 1553B Interface)
XFG	transfer frame generator
XFN	X/Open Federated Naming
XFR	transfer
XFS	Extended File System
XHTML	Extensible Hyper Text Markup Language
XIE	X-Ray Imaging Experiment
XLFD	X Logical Font Description (X Window System)
XLink	Extensible Link Language (XLL)
XLL	Extensible Link Language
XMI	XML Metadata interchange format (IBM, Unisys)
XML	eXtensible Markup Language
XML-QL	XML Query Language
XMM	X-ray Multi Mirror
XMP	X/Open Management Protocol
XMT	transmit
XMTR	transmitter
XOM	X/Open OSI-Abstract-Data Manipulation
XPDR	Transponder
XPNDR	Transponder
XPointer	XML Pointer Language (addressing scheme, see also XLL)
XPS	XUV Photometer System
XRS	X-Ray Spectrometer
X-SAR	X-Band Synthetic Aperture Radar
XSL	Extensible Style Language
XSLP	XSL Processor
XTE	X-Ray Timing Explorer
XTRR	external interface test readiness review
CTX	x-band transmitter assembly
XVT	XVT Software, Inc.

- Y -

Y2K	Year 2000
Y2KA	Y2K Aftermath
YAHOO	Yet Another Hierarchically Official Oracle (Internet)

YGC	yaw gyro compassing
YTD	Year To Date
YYYY	year, four digit format

- Z -

0R	zero reformatted data
Z	UNIX compressed format
	Zulu time
ZBR	zero-based review
ZIF	Zero Insertion Force
ZIP	file extension for compressed files (PK Ware)
Zmail	UNIX mail tool
ZMB	Zero Momentum Bias
ZOE	zone of exclusion
ZWD	Zenith Wet Delay